

8Name of Teaching Staff : Dr.(Mrs) Alpana Mahapatra

Designation : Professor

Department : Chemical Engineering

Date of Joining the : 15.12.1994

Institution

Qualifications with Class

/ Grade

: 1 Ph.D. (Technology), (UDCT, Mumbai) May, 1988, University of Mumbai.

2. M. Tech. (Process Engg. & Design), IIT, Delhi, Jan. 1985 with CGPA 9.25/10.0

3. B. Tech. (Chem. Engg.), University of Calcutta, May 1983 with 73.1%.



Total Experience in Years : **Teaching: 25 years**

1. Professor, D. J. Sanghvi College of Engineering from 6.7.2009 till date.
2. Professor (Adhoc) of Chemical Engineering, Dwarkadas J. Sanghvi College of Engineering from 11.10.2005 to 30.6.2006 and 1.7.2006 to 30.6.2007.
3. Assistant Professor, D.J. Sanghvi College of Engineering from 15.12.1994 to 5.7.2009.
4. Lecturer, S.B.M. Polytechnic from 2.2.1993 to 14.12.1994.
5. Visiting Lecturer S.N.D.T. Women's University from 1988-89.

Industry: --

Research: 2 Years

1. Research Associate, University of Bombay from Jan, 1990 to April, 1990.
2. Research Associate, University of Edinburgh, U.K. from April, 1989 to Dec.1989.
3. Research Associate, University of Bombay, from July, 1988 to April, 1989.

Papers Published:

International: 12

1. Nabakumar Pramanik, Ananta Kumar Atta and Alpana Mahapatra, "Synthesis of Chitosan Phosphate Grafted Nanosized Hydroxyapatite and its Characterization" **International Journal on Current Science & Technology (ISSN: 2320 5636), Vol. 3 No. 2, July – December, 2015.**
2. Alpana Mahapatra "Dye Removal Using Treated sugarcane bagasse: Breakthrough curve Modelling", **International Journal on current Science & Technology (ISSN: 2320 5636), 2015, 3 (1), pp 348-353.**
3. Vedant Shah, C. S. Ashwin & Dr. Alpana Mahapatra, Waste water

treatment by Bioremediation : A case Study., **International Journal of Multidisciplinary Research & Advances in Engineering (IJMRAE)**, ISSN 0975-7074, www.ascent-journals.com, Vol. 7, No. III, July 2015

4. Kaushik Londhe, Rujuta Mamadapur, Dr. Alpana Mahapatra, Purification of water using silver based Nanofilter, **International Journal of Multidisciplinary Research & Advances in Engineering (IJMRAE)**, ISSN 0975-7074, www.ascent-journals.com, Vol. 7, No. III, July 2015
5. Sneha N. Chedda, Sayujya N. Shah, Hari H. Desai & Dr. Alpana Mahapatra, New frontiers in desalination process, **International Journal of Multidisciplinary Research & Advances in Engineering (IJMRAE)**, ISSN 0975-7074, www.ascent-journals.com, Vol. 7, No. IV, October 2015.
6. F. Valli, K. Tijoriwala and Alpana Mahapatra, "Nanotechnology for water purification", **International Journal of Nuclear Desalination**, volume 4, No.1, 2010, pp 49-57
7. Ms. D.Singh, R. Bharadwaj and Dr. (Mrs.) Alpana Mahapatra, Brackish Water Desalination Technologies, **Intl. Journal of Nuclear Desalination**, 2008, **3 (1)**, pp18.
8. Rajat Bharadwaj, Deepika Singh and Dr. (Mrs.) Alpana Mahapatra, Sea Water Desalination Technologies, **Intl. Journal of Nuclear Desalination** 2008, **3 (1)**, pp151.
9. Ms.Neha Patel, Ms.S.Kachalia and Dr. (Mrs.) Alpana Mahapatra, Water Scenario in India, **Intl. Journal of Nuclear Desalination**, 2008. **3(1)**, pp11.
10. Alpana Mahapatra, V.G.Gaikar and M.M.Sharma, Separation of Close Boiling Mixtures via Dissociation Extractive Crystallization, **Ind. Eng. Chem. Res**, 1989, **28**, pp 199.
11. Alpana Mahapatra, V.G.Gaikar and M.M.Sharma, New Strategies in Extractive Distillation of Organic Bases and Aqueous Solution of Hydrotropes as Extractive Solvents for Organic Acids, **Sep. Sci. Technol.**, 1988, **23**, pp. 429.
12. Alpana Mahapatra and M.M.Sharma, New Strategies in Separation of Close Boiling (solid) Mixtures: Extraction into Micellar and Microemulsion Media, **Solv. Ext. Ion Exchange**, 1987, 5, pp 781.

National: 92

1. Dr. Alpana Mahapatra, Vrushali Amberkar and Hejal Mehta, **National Water Scenario: Current and Future**, National Conference on “Desalination and Water Purification for Defence and Civil Applications”, Jodhpur, March 22-23, 2017.
2. Nabakumar Pramanik, Saikat Ghosh, Ananta Kumar Atta and Alpana Mahapatra, Synthesis of Stable Colloid of Doxorubicin loaded Hydroxyapatite Nanoparticles. Indian Chemical Engineering Congress, **CHEMCON 2016**, December 27-30, 2016, Chennai.
3. Kanya Mehta, Meet Somaiya and Alpana Mahapatra, **BIOPLASTIC FROM BANANA PEELS**, Indian Chemical Engineering Congress, **CHEMCON 2016**, December 27-30, 2016, Chennai.
4. Vivek Krishnamoorthy and Alpana Mahapatra, **Process Development For Vacuum Crystallization Of Glauber Salt**, Journal of Chemical & Petrochemical Technology (JCPT); Vol - 2, Issue – 1; Edition: June 2016.
5. Varun J Ganatra and **Dr. Alpana Mahapatra**, Membrane Bioreactor– A Promising Approach for Wastewater Treatment, Indian Chemical Engineering Congress, **CHEMCON 2015**, December 27-30, 2015, Guwahati.
6. Varun J Ganatra and Dr. Alpana Mahapatra, Biodiesel production from waste frying oil using egg shell as catalyst, Indian Chemical Engineering Congress, **CHEMCON 2015, December 27-30, 2015, Guwahati.**
7. Nabakumar Pramanik Ananta Kumar Atta and Alpana Mahapatra, Synthesis of Chitosan Phosphate Grafted Nanosized Hydroxyapatite and its Characterization, Indian Chemical Engineering Congress, **CHEMCON 2015, December 27-30, 2015, Guwahati.**
8. *Dr. (Mrs.) Alpana Mahapatra, Mr. Aashay Shah, Mr. Gaurav Kacha, Mr. Yash Bhatt, Valuables from E-Waste, Seminar cum Workshop on Clean India: Role of Chemical Engineers* organised by IChE Student Chapter in association with Indian Desalination Association (InDA) and Indian Institute of Chemical Engineers- Mumbai Regional Centre (IChE-MRC), SVKM’s DJ Sanghvi College of Engg., October 10, 2015.
9. Alpana Mahapatra, Jahnvi Dudwadkar, Monika Limbani, Niyati Modi, **A Review on water Sector of Maharashtra**, Trombay Symposium On Desalination And Water Reuse 2015 (TSDWR

2015), January 22-23,2015, Homi Bhabha Center For Science Education, Mankhurd, Mumbai, India.

10. Rahul Pai, Deep Thakkar, Alpana Mahapatra, **Drinking Water in Rural and Remote Areas**, Trombay Symposium On Desalination And Water Reuse 2015 (TSDWR 2015), January 22-23,2015, Homi Bhabha Center For Science Education, Mankhurd, Mumbai, India.
11. Sahir Chichkar, Xerxes Momin, Narayan Kanhere, Alpana Mahapatra, **Leather Effluent Treatment- An Overview**, Trombay Symposium On Desalination And Water Reuse 2015 (TSDWR 2015), January 22-23,2015, Homi Bhabha Center For Science Education, Mankhurd, Mumbai, India.
12. Glinka C. Pareira, Nikita Soni, Veedhi Parikh, Alpana Mahapatra, **Treatment of Industrial Waste Water**, Trombay Symposium On Desalination And Water Reuse 2015 (TSDWR 2015), January 22-23,2015, Homi Bhabha Center For Science Education, Mankhurd, Mumbai, India.
13. Vedant Shah, C. S. Ashwin, Alpana Mahapatra, **Waste Water Treatment by Bioremediation- A Case Study**, Trombay Symposium On Desalination And Water Reuse 2015 (TSDWR 2015), January 22-23,2015, Homi Bhabha Center For Science Education, Mankhurd, Mumbai, India.
14. Rujuta Mamadapur, Koushik Londhe, Nidhi Mahambre, Alpana Mahapatra, **Purification of Water using Graphene Nanofilter**, Trombay Symposium On Desalination And Water Reuse 2015 (TSDWR 2015), January 22-23,2015, Homi Bhabha Center For Science Education, Mankhurd, Mumbai, India.
15. Koushik Londhe, Rujuta Mamadapur, Utsav Vora, Alpana Mahapatra, **Purification of Water using Silver Based Nanofilter**, Trombay Symposium On Desalination And Water Reuse 2015 (TSDWR 2015), January 22-23,2015, Homi Bhabha Center For Science Education, Mankhurd, Mumbai, India.
16. Alpana Mahapatra, Yash V. Bhatt, Varun J. Ganatra, **Recent Trends in Filtration**, Trombay Symposium On Desalination And Water Reuse 2015 (TSDWR 2015), January 22-23,2015, Homi Bhabha Center For Science Education, Mankhurd, Mumbai, India.
17. Akshay Tharval, Rahul Valecha, Sahil Inamdar, Alpana Mahapatra, **Ion Concentration Polarization Desalination**, Trombay Symposium On Desalination And Water Reuse 2015 (TSDWR 2015), January 22-23,2015, Homi Bhabha Center For Science Education, Mankhurd, Mumbai, India.
18. Sneha N. Chedda, Sayujya N. Shah, Hari H. Desai, Alpana Mahapatra, **New Frontiers in Desalination Process**, Trombay Symposium On Desalination And Water Reuse 2015 (TSDWR

2015), January 22-23,2015, Homi Bhabha Center For Science Education, Mankhurd, Mumbai, India.

19. Varun Ganatra, Aashay Dedhia, **Alpana Mahapatra**, Conventional Distillation and Vapor Compression Distillation – A Comparative Study, **CHEMCON 2014, INDIAN CHEMICAL ENGINEERING CONGRESS**, 67th Annual Session of Indian Institute of Chemical Engineers, December 27-30, 2014, Dr. SSB University Institute of Chemical Engineering &Technology, Panjab University, Chandigarh, India.

20. Sonali Bhattacharjee, Moiz bookwala , **Alpana Mahapatra** , Decentralization of waste water treatment, **CHEMCON 2014, INDIAN CHEMICAL ENGINEERING CONGRESS**, 67th Annual Session of Indian Institute of Chemical Engineers, December 27-30, 2014, Dr. SSB University Institute of Chemical Engineering &Technology, Panjab University, Chandigarh, India.

21. Ms. Benita Vaz, Mr. Bhushan Vartak,Dr.(Mrs.) **Alpana Mahapatra**, Heavy Oil Upgrading by HTL Technology, **CHEMCON 2014, INDIAN CHEMICAL ENGINEERING CONGRESS**, 67th Annual Session of Indian Institute of Chemical Engineers, December 27-30, 2014, Dr. SSB University Institute of Chemical Engineering &Technology, Panjab University, Chandigarh, India.

22. Nabakumar Pramanik , Ananta Kumar Atta, **Alpana Mahapatra**, **Synthesis of Poly Vinyl Alcohol Phosphate Modified Nanosized Calcium – Hydroxyapatite** ,**CHEMCON 2014, INDIAN CHEMICAL ENGINEERING CONGRESS**, 67th Annual Session of Indian Institute of Chemical Engineers, December 27-30, 2014, Dr. SSB University Institute of Chemical Engineering &Technology, Panjab University, Chandigarh, India.

23. Varun Ganatra, Kaushik Londhe, **Alpana Mahapatra**, **3D PRINTING OF ORGANS**, *10th Annual Session of Students' Chemical Engineering Congress (SCHEMCON – 2014)*, organised by Haldia institute of Technology in association with IChE –HRC on September 19-20,2014, at Haldia Insitute of Technology, Haldia, India. Abstract Proceedings of SChemcon 2014, pp-19, 2014

24. Kaushik Londhe, Aashay Dedhia,, **Alpana Mahapatra**, **ALTERNATIVE ROCKET PROPELLANT – A NOVEL APPROACH** , *10th Annual Session of Students' Chemical Engineering Congress (SCHEMCON – 2014)*, organised by Haldia institute of Technology in association with IChE –HRC on

September 19-20,2014, at Haldia Institute of Technology, Haldia, India. Abstract Proceedings of SChemcon 2014, pp-40, 2014

25. Oshin Dipani, Varun Ganatra, **Alpana Mahapatra**, **E-DOG FOR EXPLOSIVE DETECTION**, *10th Annual Session of Students' Chemical Engineering Congress (SCHEMCON – 2014)*, organised by Haldia institute of Technology in association with IChE –HRC on September 19-20,2014, at Haldia Institute of Technology, Haldia, India. Abstract Proceedings of SChemcon 2014, pp-77, 2014
26. Aashay Dedhia, Varun Ganatra, **Alpana Mahapatra**, **THIOPAQ PROCESS FOR SULPHUR REMOVAL**, *10th Annual Session of Students' Chemical Engineering Congress (SCHEMCON – 2014)*, organised by Haldia institute of Technology in association with IChE –HRC on September 19-20,2014, at Haldia Institute of Technology, Haldia, India, Abstract Proceedings of SChemcon 2014, pp-19, 2014
27. **Alpana Mahapatra**, Harshil Joshi, Manasi Parekh and Purav Shah, **QUANTUM DOT SOLAR CELLS**, *10th Annual Session of Students' Chemical Engineering Congress (SCHEMCON – 2014)*, organised by Haldia institute of Technology in association with IChE –HRC on September 19-20,2014, at Haldia Institute of Technology, Haldia, India. Abstract Proceedings of SChemcon 2014, pp-34, 2014
28. **Alpana Mahapatra**, Tulsi Char, Isha Gudka, Nandita Palkar, **AN EXPLORATION OF GRAPHENE AND ITS POTENTIAL**, *10th Annual Session of Students' Chemical Engineering Congress (SCHEMCON – 2014)*, organised by Haldia institute of Technology in association with IChE –HRC on September 19-20,2014, at Haldia Institute of Technology, Haldia, India. Abstract Proceedings of SChemcon 2014, pp-83, 2014
29. Vivek Shah, C siddarth, **Alpana Mahapatra**, **BIOFUEL FROM ALGAE**, *10th Annual Session of Students' Chemical Engineering Congress (SCHEMCON – 2014)*, organised by Haldia institute of Technology in association with IChE –HRC on September 19-20,2014, at Haldia Institute of Technology, Haldia, India. Abstract Proceedings of SChemcon 2014, pp-88, 2014
30. **Alpana Mahapatra**, Nandita Palkar, VrushaliAmberkar, Vijeta Kataria, **WATER MANAGEMENT IN AGRICULTURE, INDACON-2014, International Conference on Innovative Technologies and Management for Water Security**, organized by

NIOT and InDA during February 12-14, 2014 at National Institute of Ocean Technology, Chennai, India

31. **Prof.(Dr.) Alpana Mahapatra**, Harshil Joshi, Isha Shah, Manasi Parekh, Bhavik Sheth, **Environmental Factors For Desalination Process, INDACON-2014, International Conference on Innovative Technologies** and Management for Water Security , organized by NIOT and InDA during February 12-14, 2014 at National Institute of Ocean Technology, Chennai, India.
32. Dipu Sukumaran, Chitralkha Sengupta, Rita Saha and **Alpana Mahapatra**, **The Importance of Integrated Water Management with Emphasis to River Water, INDACON-2014, International Conference on Innovative Technologies** and Management for Water Security , organized by NIOT and InDA during February 12-14, 2014 at National Institute of Ocean Technology, Chennai, India.
33. **Dr. (Mrs) Alpana Mahapatra** and Nabakumar Pramanik, Intellectual Properties Rights (IPR) in Chemistry and Chemical Engineering, **CHEMCON 2013**, 66th Annual Session of Indian Institute of Chemical Engineers, December 27-30, 2013, Institute of Chemical Technology, Mumbai, India.
34. **Dr. (Mrs) Alpana Mahapatra**, Hoshang Mehta, Pranav Goray and Akiff Potia, Food Security, **CHEMCON 2013**, 66th Annual Session of Indian Institute of Chemical Engineers, December 27-30, 2013, Institute of Chemical Technology, Mumbai, India.
35. **Dr. (Mrs) Alpana Mahapatra**, Gaurav Sharma, Anvit Vasavada and Mohith N. Unny , Determination of fouling capacity of Reverse Osmosis feed water by Nephelometric Turbidity Unit and Silt Density Index and their comparison, **CHEMCON 2013**, 66th Annual Session of Indian Institute of Chemical Engineers, December 27-30, 2013, Institute of Chemical Technology, Mumbai, India.
36. **Dr. (Mrs) Alpana Mahapatra**, Payal Kode, Tanvi Anandpara and Saloni Mehta, Conversion of Waste Plastic to Fuel, **MANSHODHAN – IV**, December 14, 2013, Mithibai College, Mumbai, India.
37. **Dr. (Mrs) Alpana Mahapatra**, Vijay Sheth and Jainam Shah, **Manufacture of Malonic Acid, MANSHODHAN – IV**, December 14, 2013, Mithibai College, Mumbai, India.
38. **Dr. (Mrs) Alpana Mahapatra**, Anvit Vasavada, Gaurav Sharma and Mohit Unni, **Dye Removal by Adsorption, MANSHODHAN – IV**, December 14, 2013, Mithibai College, Mumbai, India.
39. **Dr. (Mrs) Alpana Mahapatra** and Nimit Shah, **Seawater Desalination Using Nuclear Energy, MANSHODHAN – IV**, December 14, 2013, Mithibai College, Mumbai, India.

40. C. T. Bhunia, **Alpana Mahapatra** , Mohit Kumar De , Abhinandan Bhunia , Abhirup Bhunia ,**Tech for Seva by ICT based/E-learning education- Challenges & Opportunities, National Workshop on Science and Technology for Sustainable Rural Livelihood**, Pune, September 28-29, 2013.
41. **Dr. (Mrs.) Alpana Mahapatra**, Dhaval Trivedi , Harsh Modi , Soham vakil, **Photovoltaic Cells- A Promising Renewable Energy Source**, **MANSHODHAN – III**, December 8, 2012, Mithibai College, Mumbai, India.
42. **Alpana Mahapatra**, Dhruv Turakhia, Rishabh Prabhu, and Nimit Shah, **Carbon Capture and Storage**, **MANSHODHAN – III**, December 8, 2012, Mithibai College, Mumbai, India.
43. **Alpana Mahapatra**, Hetal Panchal, and Viral Modi, **UNDERWATER CRUDE OIL TRANSPORTATION SYSTEMS**, **MANSHODHAN – III**, December 8, 2012, Mithibai College, Mumbai, India.
44. Aprajita A. Phillips, Parth S. Shah, Aditya Ajit and **Dr. (Mrs.) Alpana Mahapatra**, Enhancement of an Effluent Treatment Plant , **TECHNOFOCUS**, ISSN 2321-0532 **DJSCOE**, Volume 2, issue 2,**March- 2012,Mumbai,India.**
45. Sukruta Deshmukh and **Dr. (Mrs.) Alpana Mahapatra**, Biomining, **TECHNOFOCUS**, ISSN 2321-0532, **DJSCOE**,Volume 2, issue 2, March- 2012, Mumbai, India.
46. .Isha Gujrati, Martina Karmakar and **Dr. (Mrs.) Alpana Mahapatra**, Biopolymers, **TECHNOFOCUS**, ISSN 2321-0532, **DJSCOE**, Volume 3, issue 1, December 2012, Mumbai, India.
47. **Dr. (Mrs.) Alpana Mahapatra** , *Gaurav Sharma*, and *Anvit Vasavada*, Nanofiltration of Effluent from Waste Water Treatment Plant, **WAVE 2012**, **DJSCOE**, September 27- 28, 2012,Mumbai,India
48. **Dr. (Mrs.) Alpana Mahapatra** and Nikita Chaturvedi, GREEN DIESEL, **WAVE 2012**, **DJSCOE**, September 27-28, 2012, Mumbai, India.
49. **Dr. (Mrs.) Alpana Mahapatra** ,Mohit unny,Abhijit Mohapatra ,Biodiesel from Algae, **WAVE 2012**, **DJSCOE**, September 27-28, 2012, Mumbai, India.
50. **Dr. (Mrs.) Alpana Mahapatra**, Harsh Modi², DhavalTrivedi ², MadhavVastani, Fuels from Waste Carbondioxide, **WAVE 2012**, **DJSCOE**, September 27-28, 2012, Mumbai, India.

51. **Dr. (Mrs.) Alpana Mahapatra** , Soham G. Vakil, Kunal H. Gudhka, and Rohan J. Sethna, BIODIESEL from Jatropha Curcas: Fuel for Future Generation, **WAVE 2012**, DJSCOE, September 27-28, 2012, Mumbai, India.
52. **Dr. (Mrs.) Alpana Mahapatra** , Namrata Rao ,Mihika Padia ,Unnati Rao , ViralSagar, **Fuel from waste plastics**, **WAVE 2012**, DJSCOE, September 27-28, 2012, Mumbai, India.
53. **Dr. (Mrs.) Alpana Mahapatra** ,Shawreen Shah, Raj Dagli and Vaibhav Desai, Diffusion Driven Desalination, **WAVE 2012**, DJSCOE, September 27-28, 2012, Mumbai, India.
54. Rutuja V. Samant, Utkarsha P. Hazarnis and **Dr. Alpana Mahapatra**, “Economical and financial aspects of integrated water management”, **InDAICON -2012**, February 8-9, 2012, SIES Educational Complex, Navi Mumbai, India.
55. Bhushan N. Vartak, Benita B. Vaz and **Dr. Alpana Mahapatra**, “Safe water supply to rural areas”, **InDAICON -2012**, February 8-9, 2012, SIES Educational Complex, Navi Mumbai, India.
56. Ankit B. Pathak, Esha R. Baluni, Mihr R. Gupta and **Dr. Alpana Mahapatra**, “Water quality assessment”, **InDAICON -2012**, February 8-9, 2012, SIES Educational Complex, Navi Mumbai, India.
57. Saurabh D. Lodha, Viraj B. Shetty, Abhijit D. Talpade and **Dr. Alpana Mahapatra**, “Waste heat utilization”, **InDAICON -2012**, February 8-9, 2012, SIES Educational Complex, Navi Mumbai, India.
58. Anshuman Rana, Soham Vakil, Yash Khandor and **Dr. Alpana Mahapatra**,” Desalination by ion concentration polarization”, **InDAICON -2012**, February 8-9, 2012, SIES Educational Complex, Navi Mumbai, India.
59. Dhawal S. Chedda, Ruta S. Deshpande, Hemalnt N. Prabhu and **Dr. Alpana Mahapatra**, “Bioremediation for waste water treatment”, **InDAICON -2012**, February 8-9, 2012, SIES Educational Complex, Navi Mumbai, India.
60. **Dr. (Mrs.) Alpana Maharashtra**, R. Despande, D. Chheda, H. Prabhu, “GENE THERAPY”, **MANSHODHAN – II**, November 26, 2011, pp A-30, Mithibai College, Mumbai,
61. **Dr. (Mrs.) Alpana Maharashtra**, B. Vartak, B. Vaz, A. Talpade, “LIFE OF A SEX WORKER”, **MANSHODHAN – II**, November 26, 2011, pp B-8, Mithibai College, Mumbai, India

62. **.Dr. (Mrs.) Alpana Mahapatra**, A. Pathak, E. Baluni, M. Gupta, “HYBRID DESALINATION OF WATER”, **MANSHODHAN – II**, November 26, 2011, pp D-2, Mithibai College, Mumbai, India
63. **Dr. (Mrs.) Alpana Mahapatra**, A. Rana, Y. Khandor, “BIOSENSORS IN ENVIRONMENTAL MONITORING”, **MANSHODHAN – II**, November 26, 2011, pp D-3, Mithibai College, Mumbai, India
64. **Dr. (Mrs.) Alpana Mahapatra**, B. Vartak, B. Vaz, “CHALLENGES IN PROCESSING CRUDE WITH HIGH TOTAL ACID NUMBER(TAN)”, **MANSHODHAN – II**, November 26, 2011, pp D-5, Mithibai College, Mumbai, India
65. **Dr. (Mrs.) Alpana Mahapatra**, H. Panchal, V. Modi, “RISK MANAGEMENT IN LPG STORAGE – CRYOGENIC AND CAVERN STORAGE”, **MANSHODHAN – II**, November 26, 2011, pp D-6, Mithibai College, Mumbai, India
66. **Dr. (Mrs.) Alpana Mahapatra**, G. Pakale, I. Shah, “NANOTECHNOLOGY BASED CHEMICAL SENSORS TO DETECT EXPLOSIVES”, **MANSHODHAN – II**, November 26, 2011, pp D-7, Mithibai College, Mumbai, India
67. **Dr. (Mrs.) Alpana Mahapatra**, N. Modi, M. Joshi, “SOLID WASTE MANAGEMENT SYSTEM”, **MANSHODHAN – II**, November 26, 2011, pp D-9, Mithibai College, Mumbai, India
68. **Dr. (Mrs.) Alpana Mahapatra**, S. Rawal, V. Sharma, A. Rai, “PRESSURIZED HEAVY WATER REACTORS”, **MANSHODHAN – II**, November 26, 2011, pp D14, Mithibai College, Mumbai, India
69. **Dr. (Mrs.) Alpana Mahapatra**, V. Dalvi, I. Shah, “INDUSTRIAL WASTEWATER TREATMENT USING ADVANCED OXIDATION PROCESS”, **MANSHODHAN – II**, November 26, 2011, pp D-17, Mithibai College, Mumbai, India.
70. **.Dr. (Mrs.) Alpana Mahapatra**, K. Tijoriwala and Ms. F. Valli “Nanotechnology for water Purification”, <http://www.theallined.com> and <http://www.solociencia.com>
71. **.Dr. (Mrs.) Alpana Mahapatra**, “Fuel Cell- Energy of the Future”, **Chemical Engineering Congress, CHEMCON- 2010**, Dec. 27-29, 2010, Annamalai University, India.
72. **.Dr. (Mrs.) Alpana Mahapatra**, S.R. Iyengar, D. Mohan, “Enhanced recovery/removal of oil from contaminated sea water “, **MANSHODHAN**, November 27, 2010, pp142, Mithibai College, Mumbai, India

73. **Dr. (Mrs.) Alpana Mahapatra**, M. A. Karmakar. S.S. Deshmukh, "Manufacture of Ammonia Bicarbonate", **MANSHODHAN**, November 27, 2010, pp145, Mithibai College, Mumbai, India.
74. **Dr. (Mrs.) Alpana Mahapatra**, K. Shah, R. Sheth, "Manufacture of Liquid Sulphur dioxide" **MANSHODHAN**, November 27, 2010, pp146, Mithibai College, Mumbai, India.
75. **Dr. (Mrs.) Alpana Mahapatra**, D. Shah, H. Jobanputra, K. Sheth, "Reforming technologies in Petroleum Industry", **MANSHODHAN**, November 27, 2010, pp149, Mithibai College, Mumbai, India.
76. **Dr. (Mrs.) Alpana Mahapatra**, I. Gujrati, S. Paluri, K. Nakhare, "Xylitol production by fermentation", **MANSHODHAN**, November 27, 2010, pp156, Mithibai College, Mumbai, India.
77. **Dr. (Mrs.) Alpana Mahapatra**, Y. Valia, M. Pandya, P. Shah, "Desalination Technologies", **MANSHODHAN**, November 27, 2010, pp141, Mithibai College, Mumbai, India.
78. **Dr. (Mrs.) Alpana Mahapatra**, K. Tijoriwala and Ms. F. Valli "Nanotechnology for water purification", **Proceedings of Indian Desalination Association (InDA) and Asia Pacific Desalination (APDA) Conference on Desalination and Water Purification, 2010, March 10-12.**
79. Vivek Dalal, Shashank Dixit, **Dr. (Mrs.) Alpana Mahapatra**, Geothermal Energy - An Important Renewable Energy Source, **Proceedings of Indian Chemical Engineering Congress, CHEMCON-2009, 2009, Dec 27-30.**
80. Durgesh Kawale, Bhavini Desai and **Dr. (Mrs.) Alpana Mahapatra**, Operator Training Simulator, **Proceedings of Indian Chemical Engineering Congress, CHEMCON-2009, 2009, Dec 27-30.**
81. **Dr. (Mrs.) Alpana Mahapatra**, Saurabh Sharma and Rahul Shah, Separation of Cesium 137 (Cs137) From High Level Nuclear Waste, **Proceedings of International Conference on Separation Processes, 2009, Oct 20-30.**
82. Miss. B. Desai, Mr. D. Kawale and **Dr. (Mrs.) Alpana Mahapatra**, Renewable sources of energy-Tidal energy, **Proceedings of Indian Chemical Engineering Congress CHEMCON 2008 2008, Dec 27-30, pp204.**
83. Mr. Z. Khan, Mr. M. Kapadia and **Dr. (Mrs.) Alpana Mahapatra**, Hydropower, **Proceedings of Indian Chemical Engineering Congress CHEMCON 2008, 2008, Dec 27-30, pp203.**

84. Rajat Bharadwaj, Deepika Singh and **Dr.(Mrs.)Alpana Mahapatra**, Manufacture of Biodiesel and its Performance Characteristics, **Proceedings of National Seminar on Energy Resources & Conservation Techniques, 2008, Jan19, pp33.**
85. Dhaval Modi and **Dr.(Mrs.)Alpana Mahapatra**, Biogas - A Renewable Energy Source, Proceedings of National Seminar on Energy Resources & Conservation Techniques, 2008, Jan19, pp44.
86. Ms. Gauri Bhagwat and **Dr. (Mrs.)Alpana Mahapatra**, The Indian Food Industry - Prospects & Challenges, **Indian Chemical Engineering Congress, CHEMCON -2007, 2007, Dec, 27-30, 419.**
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90. Rajat Bharadwaj, Deepika Singh and **Dr. (Mrs.) Alpana Mahapatra**, Sea Water Desalination Technologies, **Trombay Symp. On Desalination & Water Reuse (TSDWR 07), 2007, Feb 7-9, pp81**
91. Ms. D.Singh, R. Bharadwaj and **Dr. (Mrs.) Alpana Mahapatra**, Brackish Water Desalination Technologies, **Trombay Symp. On Desalination & Water Reuse (TSDWR 07), 2007, Feb 7-9, pp89**
92. S. Agarwal, S. Jain, S.Kachali and **Dr. (Mrs.) Alpana Mahapatra**, Waste Water Treatment Methods, **Trombay Symp. On Desalination & Water Reuse (TSDWR 07), 2007, Feb 7-9, pp329**

PhD Guide : Padmabibhushan Prof. M.M. Sharma, FNA,FRS

University: ICT (Formerly UDCT), Mumbai

**Ph.D. Thesis
Adjudicated** :

1. Reviewed a book titled ‘Stoichiometry’ (5th Edition) (SI units) by **Bhatt, B.I. and Thakore, S.B., McGraw Hill Education (India) Pvt. Ltd., New Delhi, 2009.**

2. Adjudicated a Ph.D. thesis titled **“MICROBIAL PRODUCTION AND PARTIAL PURIFICATION OF THERMOSTABLE GLUCOAMYLASE”** submitted by V. RAMESH for the award of the degree of **DOCTOR OF PHILOSOPHY** under the guidance of Dr. V. RAMACHANDRA MURTY, Professor, Department of Biotechnology, Manipal Institute of Technology (A constituent Institution of Manipal University) Manipal-576104.
3. Adjudicated a Ph.D. thesis titled **“DEVELOPMENT OF SENSITIVE ANALYTICAL METHODS FOR THE DETERMINATION OF SELECTED PHARMACEUTICAL DRUG SUBSTANCES AND THEIR IMPURITIES”** submitted by RAJA GORLA for the award of the degree of **DOCTOR OF PHILOSOPHY** in CHEMISTRY under the guidance of Prof. K. Raghu Babu and Dr. B. Sreenivasulu, Department of Engineering Chemistry, A.U. College of Engineering (A), Andhra University, Visakhapatnam-530 003, Andhra Pradesh, India,2015

Projects Guided :

1. Project on “Recovery of Cesium137 from High Level Radioactive Waste” was carried out in collaboration with Scientific Officers of Nuclear Recycle Group Project at Bhabha Atomic Research Centre, Trombay, 2008-09.
2. Project on “Manufacturing of Polypropylene ” was carried out in collaboration with Research & Development section of RIL, Koparkhairane, Navi Mumbai, 2015-16.
3. Project on “Manufacturing of Teraphthalic acid ” was carried out in collaboration with Research & Development section of RIL, Koparkhairane, Navi Mumbai, 2015-16.

Invited Talks Delivered

1. Delivered an **Invited talk** on **National Water Scenario: Current and Future** at a National Conference on “Desalination and Water Purification for Defence and Civil Applications”, held at Jodhpur on March 22-23, 2017.
2. Delivered Plenary Lecture on **Dye Removal Using Treated Sugarcane Bagasse: Breakthrough Curve Modelling** at a National Workshop on Advances in Chemical Engineering for Sustainable Development, held at RVR & JC College of Engineering, Guntur, Andhra Pradesh, on 7th February, 2015
3. Delivered a speech on **The Importance of Integrated Water**

Management with Emphasis to River Water at Seminar Cum Workshop on “Desalination and Water Treatment Technologies” held at D. J. Sanghvi College of Engineering in association with InDA, Mumbai on 17th April, 2014.

4. Delivered talk on **Industrial Effluent Treatment using Agricultural Waste** at a Seminar cum workshop on “Clean India: Role of Chemical Engineers”, held at D. J. Sanghvi College of Engineering, Mumbai, on 10th October, 2015.

Books Published / IPRs / Patents

- : Books Reviewed: ‘Stoichiometry’ (5th Edition) (SI units) by Bhatt, B.I. and Thakore, S. B., McGraw Hill Education (India) Pvt Ltd., New Delhi, 2009.

Professional Memberships

1. Hon. Joint Treasurer of Indian Desalination Association (InDA), 2017-2019
2. Executive Council Member of IChE – MRC (Mumbai Regional Centre) 2010 –till date.
3. **Chairperson** of Executive Council of Indian Institute of Chemical Engineers-Mumbai Regional Centre (IChE-MRC), 2015-16
4. Hon. Joint Secretary of IChE National Council, 2015
5. Vice – Chairperson of IChE – MRC, 2012-2014, 2014-2015.
6. Member of National Council of Indian Institute of Chemical Engineers, (IChE), 2013-2015.
7. Executive Committee Member of Indian Desalination Association (InDA), 2013-2015, 2015-2017, 2017-2019.
8. Executive Member of Board of Governors of UDCT Alumni Association (UAA), ICT, 2001-2005 and 2013 - 2015.
9. Convener of Technical committee of Applied Chemistry Alumni Association, Kolkata University [LMACAA], Mumbai Chapter, (An association of Chemical Engineers & Technologists) 2014-2017.
10. Member of Local Managing Committee of Shri Vile Parle Kelavani Mandal from April 2013 – January 2015.
11. Honorary Registrar of IChE National Council, 2014
12. Chairperson of Admission Committee of IChE National Council, 2014

13. Examination Committee member of IChE National Council, 2015
14. Life Member of Indian Society for Technical Education [LMISTE]
15. Life Member of Indian Institute of Chemical Engineer [LMIChE]
16. Life Member of Indian Desalination Association [LMInDA]
17. Life Member of UICT Alumni Association [UAA]
18. Life Member of Applied Chemistry Alumni Association, Kolkata
19. University [LMACAA], Mumbai Chapter, (An association of Chemical Engineers & Technologists)

Important Recognition and Awards

- 1. Chairperson of IChE-MRC, 2015-16.**
- 2. Honorary Joint Secretary** of IChE National Council, 2015
- 3. Honorary Registrar** of IChE National Council, 2014.
- 4. Won Consolation Prize in Poster Presentation at Trombay Symposium On Desalination And Water Reuse 2015** (TSDWR 2015), jointly organized by Board of Research in Nuclear Science (BRNS) & Indian Desalination Association (InDA), January 22-23, 2015, held at Homi Bhabha Center For Science Education, Tata Institute of Fundamental Research, Mumbai, India.
- 5. Won 1st Prize** in Poster Presentation held at the National Seminar cum Workshop “**WAVE 2012**” on September 27-28, 2012, India.
- 6. Won 3rd Prize** in Poster Presentation held at the National Seminar cum Workshop “**WAVE 2012**” on September 27-28, 2012, India.
- 7. Won 1st Prize** in Oral Paper Presentation in the National Conference on “**Water Purification Technologies and Management (InDACON 2012)**” jointly organized by Indian Desalination Association and the SIES Educational Complex on February 8-9, 2012, Navi Mumbai, India.
- 8. Best Teacher Award** in D.J. Sanghvi College of Engineering in 2009.

**International/
National Seminars
&
Workshops/Quiz
Contests
Organized**

1. Member of Local Advisory Committee of National Conference on “Desalination and Water Purification for Defence and Civil Applications”, Jodhpur, March 22-23, 2017.
2. Member of National Organizing Committee of National Seminar On Water: Conservation, Recycling and Desalination organised by IChE-MRC in association with Indian Desalination Association(InDA), Feb 2017.
3. Member of National Advisory Committee of Indian Chemical Engineering Congress, **CHEMCON 2016**, Chennai., December 27-30, 2016,
4. Member of National Advisory Committee of **National Symposium on Water Purification & Reject Management (WPRM-2016)**, MNIT Jaipur, November 12, 2016.
5. Organised as a **Chairman** of IChE-MRC, National Seminar on “Circulatory Fluidised Bed Combustion: Problems & Prospects” in association with Indian National Academy of Engg at IIT,Bombay on May 20,2016.
6. As a chairman of IChE-MRC, conducted a program of Felicitation to Padma Shri Awardees , Dr. Keki Gharda & Prof. Dr. G.D.Yadav and Felicitation to the first Vice Chancellor of Baba Saheb Ambedkar Technological University(BATU) in its new form, Prof. Dr. Vilas G Gaikar on April 18,2016 at ICT, Mumbai.
7. Organized N.R. Kamath Chemical Engg. Quiz Competition (CHEQ-2016) as a chairman of IChE-MRC at IIT-B, Mumbai, on March 12, 2016.
8. Member of National Organizing Committee of Indian Desalination Association and Asia-Pacific Desalination Association (InDA-APDA) Conference 2016 on Clean India Technologies- Role of Desalination and Water Purification on the occasion of Silver Jubilee Celebration of InDA held at Chennai, India on February11-13, 2016.
9. Member of National Organizing Committee of Indian Chemical Engineering Congress **CHEMCON 2015 & JOINT INDO-US SYMPOSIUM** on “CHEMICAL ENGINEERING-EMERGING DIMENSIONS AND CHALLENGES AHEAD” organized by Indian Institute of Chemical Engineers – Guwahati Regional Center in collaboration with Chemical Engineering Department, IIT Guwahati held at IIT Guwahati, India on December 27- 30,2015.

10. Worked as Organizing Chairperson for the event on “Panel Discussion on Perspectives and growth Opportunities for Chemical Industries in the Frame-work of Make in India Policy” hosted by Indian Institute of Chemical Engineers (IChE – MRC) at Hotel Orchid, Mumbai on 25th November, 2015.
11. Chief Guest at the event CHEMERGENCE 2015 organized by student chapter of Thadumal Shahani Engineering College, Mumbai as a Chairperson of IChE-MRC on October 1, 2015.
12. Chief Guest at the Revival Function of Chemical Engineering Department student chapter of Datta Meghe Engineering College, Mumbai as a Chairperson of IChE-MRC on October 8, 2015.
13. Organized and worked as a Chairperson for a seminar cum workshop on “Clean India: Role of Chemical Engineers” held at D J Sanghvi College of Engineering, Mumbai in association with Indian Desalination association (InDA) and Indian Institute of Chemical Engineers (IChE – MRC) on 10th October, 2015.
14. Organized and worked as a convener for an International technical Event “Outstanding Young Chemical Engineers Blast Carbo / Thyssenkrupp Industrial Solution Awards (OYCE 2015)” held at D J Sanghvi College of Engineering, Mumbai on 13th and 14th March, 2015.
15. Member of Local Organizing Committee of Trombay Symposium on Desalination and Water Reuse (TSDWR 2015) organized by Board of Research in Nuclear Sciences (BRNS) and Indian Desalination Association. (InDA) held at Homi Bhabha Center For Science Education, TIFR, on January 22-23, 2015, Mumbai, India
16. Member of National Organizing Committee of Indian Chemical Engineering Congress CHEMCON 2014 & JOINT INDO-JAPANESE SYMPOSIUM on “CHEMICAL ENGINEERING-EMERGING DIMENSIONS AND CHALLENGES AHEAD” organized by Indian Institute of Chemical Engineers – Chandigarh Regional in collaboration with Dr. SSV University Institute of Chemical Engineering and Technology, Punjab University, held at Panjab University on December 27-30, 2014 Chandigarh, India.
17. Member of National Advisory Committee of Students’ Chemical Engineering Congress-2014 (SCHEMCON-2014) on “New Horizon in Chemical Engineering Applications” held at Haldia Institute of Technology on 19th and 20th September, 2014 organized by Chemical Engineers Student Chapter of Indian Institute of Chemical Engineers (IChE) of Haldia Institute of Technology in collaboration with Haldia Regional Centre of IChE.

18. Member of Scientific Committee of National Conference on “Recent Advances in Chemical Engineering, RACE-2014” organized by Annamalai University in association with Annamalai Neyveli Regional Centre of Indian Institute of Chemical Engineers on 12-13 July, 2014 at Annamalai University, Chidambaram, Tamil Nadu.
19. Organized and worked as a Convener of a Seminar cum Workshop on “DESALINATION AND WATER TREATMENT TECHNOLOGIES” at D. J. Sanghvi College of Engineering (DJSCE) in association with Indian Desalination Association (InDA) on 17th April, 2014 at DJSCE, Mumbai.
20. Member of National organizing committee of INDACON-2014, International Conference on Innovative Technologies and Management for Water Security , organized by National Institute of Ocean Technology (NIOT) and Indian Desalination Association (InDA) during February 12-14, 2014 at, NIOT, Chennai, India.
21. Member of local Organizing Committee of Indian Chemical Engineering Congress CHEMCON 2013 & JOINT INDO-NORTH AMERICAN SYMPOSIUM on “INNOVATIVE APPROACHES FOR FOOD SECURITY AND HEALTH CARE FOR BETTER TOMMOROW” held at ICT, Mumbai on Dec 27-30, 2013 organized by Indian Institute of Chemical Engineers – Mumbai Regional Center in collaboration with Institute of Chemical Technology, Mumbai.
22. Organized and worked as Organizing Secretary at a National Seminar cum Workshop on “Water and Energy : Sustainability and Security for Future Needs (WAVE 2012)” held at D.J Sanghvi College of Engineering, Mumbai on September 27th and 28th , 2012 in association with Indian Institute of Chemical Engineers – Mumbai Regional Center (IChE-MRC) and Indian Desalination Association (InDA).
23. Organized a Half-Day Seminar on “Solar Water Desalination” at Mahatma Education Society’s Pillai Institute of Information Technology, Engineering, Media Studies and Research, Mumbai on 14th May, 2013.
24. Organized and worked as a convener for NR Kamath Memorial Quiz Contest (CHEQ-2011) on October 22, 2011 at D. J Sanghvi College of Engineering under the auspices of IChE-Mumbai Regional Centre (IChE-MRC).
25. Organized and acted as a convener ‘Arome Seminar’ for Chemical Engineering students and teachers at D.J Sanghvi College of Engineering, Mumbai on 6th March, 2010.

26. Organized and worked as Technical Convener at a National Seminar on “Energy Resources and Conservation Techniques (ERCT 2008)” held at BARC, Mumbai on January 19, 2008 on behalf of Applied Chemistry Alumni Association (An Association of Chemical Engineers & Technologists) Calcutta University, Mumbai Chapter
27. Worked as a Poster Session Judge at a national seminar "**WATER: Conservation; Recycling and Desalination**" jointly organised by **IChE-MRC and InDA** on 4th Feb. 2017 , ICT, Matunga
28. Worked as a Poster Session Judge at National Conference on “Desalination and Water Purification for Defence and Civil Applications”, Jodhpur, March 22-23, 2017.
29. Worked as a Judge at Outstanding Young Chemical Engineers’ (OYCE- 2013) Competition organized by IChE-MRC at ICT, Mumbai, 2013.
30. Worked as Quiz Master of N.R. Kamath Chemical Engg. Quiz Competition (CHEQ- 2013) organized by IChE-MRC at TSEC, Mumbai, 2013 and at IIT Bombay, March 2016.

Consultancy Activities :

**Interaction with
professional institutions**

**Reliance Industries Ltd., Bhabha Atomic Research Centre, Mumbai;
Institute of Chemical Technology, Mumbai;
Indian Institute of Technology ,Bombay, Mumbai;
Thadomal Sahani College of Engineering, Mumbai; Datta Meghe
College of Engg, Mumbai; Indian Institute of Chemical Engineers,
Kolkata**