



### Objective

To associate with a reputed company / institute / organization where; I can utilize my knowledge and experience to the best of my ability in the development of the company/institute/organization; which will automatically build up my personal growth.

### Personal Details

Date of birth : 1<sup>st</sup> Nov, 1974  
Marital Status : Married  
Languages known : English, Hindi, Gujarati, Marathi  
Hobbies : Music, Movies, Martial art, Drawing, Swimming, Traveling  
Passport Details : K4375562 (Date of Issue: 22.03.2012 / Date of Expiry: 21.03.2022)  
Present & Permanent Address : 50/B, C. P. Colony, Part-2, Near Bhuyangdev Char Rasta, Sola Road, Ghatlodia, Ahmedabad, GUJARAT, INDIA. Pin Code: 380 061  
**(Phone: +91-79-2745 4448 (R), Mobile: +91-98250 86765, +91-74055 14864)**

### Educational Profile

<b>Ph.D.</b>	: December 2004 (Degree awarded) (Chemistry) (Gujarat University, Ahmedabad)
<b>M.Sc.</b>	: April 1997 (1 <sup>st</sup> class with 66.22%- <b>3<sup>rd</sup> in University</b> ) (Industrial Analytical Chemistry) (Gujarat University, Ahmedabad)
<b>B.Sc.</b>	: April 1995 (1 <sup>st</sup> class with 69.24%- <b>Gold Medalist</b> ) (Chemistry, Physics, Maths) (Gujarat University, Ahmedabad)
<b>H.S.C.</b>	: March 1992 (1 <sup>st</sup> class with 68.12%) (Science) (Gujarat Higher Secondary Education Board, Ahmedabad)
<b>S.S.C.</b>	: March 1990 (1 <sup>st</sup> class with 75.00%) (Science) (Gujarat Secondary Education Board, Ahmedabad)

### Additional Qualification

<b>M.B.A.</b>	: November 2008 (1 <sup>st</sup> class with 68.00%) (Industrial Management) (National Institute of Management, Ahmedabad)
<b>LL.B.</b>	: May 2007 (2 <sup>nd</sup> class with 63.00%) (Gujarat University, Ahmedabad)
<b>Certificate in Web Master (C.W.M.)</b>	: July 2001 (Dist. with 75.00%) (Lakhotia Computer Centre (LCC), Ahmedabad) (Ahmedabad)



## RESUME

Dr Ankur Harshadbhai Dwivedi

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### Massive Open Online Courses (MOOCs) :

- **Introduction to Physical Chemistry (6 Weeks)** : 2nd February – 15<sup>th</sup> March 2014 (With Dist.) from Coursera
  - **Chemistry (10 weeks)** : 13<sup>th</sup> January – 30<sup>th</sup> March 2015 (With Dist.) from Coursera
  - **Advanced Chemistry (10 Weeks)** : 11<sup>th</sup> August – 20<sup>th</sup> October 2014 (With Dist.) from Coursera
- 

### Research Papers, Presentations, Training Programs and Workshops

*Ph.D. Thesis Title:* Photochemical Degradation of Some Halo-organic Compounds.

#### *Published Work*

1. A H Dwivedi, Neha Jain, Pooja Patel, Poonam Sharma, “The Versatile Bamboo Charcoal” International Journal of Research and Scientific Innovation, Volume I, Issue VII, (Nov 2014) (**2014**), 129-131. (ISSN: 2321-2705, Impact factor: **0.709**) [International]
2. A H Dwivedi, S. G. Pillai, “Photosensitized Reactions: An Important Route of Reaction in Photochemistry” International Journal of Advanced Technology in Engineering and Science, Volume 02, Special Issue 1, (Sep 2014) (**2014**), 1-4. (ISSN: 2348-7550) [International]
3. A H Dwivedi, “Technologies and Challenges in Water Purification” International Journal of Advances in Management, Technology & Engineering Science, Volume III, Issue 8(1), (May 2014), **2014**, 11-15. (ISSN: 2249-7455) [International]
4. A H Dwivedi, “Study of Photochemical Effect on o- and p-Anisidines in the Presence of Methylene Blue Dye” International Journal of Chemtech Applications, 3(1) (Feb 2014), (**2014**), 43-52. (ISSN: 2319-7099) [International]
5. A H Dwivedi, S G Pillai, Neha Patni, “Impurities in Pharmaceutical Industries: A Burning Issue” International Journal of Chemtech Applications, 2(2) (May 2013), (**2013**), 113-125. (ISSN: 2319-7099, International peer reviewed journal) [International]
6. Neha Patni, S G Pillai, A H Dwivedi, “Wheat as a Promising Substitute of Corn for Bioethanol Production” Procedia Engineering, 51 (April 2013), (**2013**), 355-362 (ISSN: 1877-7058) [International Conference Proceedings, Citation index: 2]
7. S G Pillai, A H Dwivedi, Neha Patni, “Liquid-Liquid Extraction and Spectrophotometric Determination of Vanadium(V) with p-Carboxy-N-Phenyl-Calix[4]resorcinarene-hydroxamic Acid” Procedia Engineering, 51 (April 2013), (**2013**), 347-354 (ISSN: 1877-7058) [International Conference Proceeding]



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[dwivedi\\_ank@rediffmail.com](mailto:dwivedi_ank@rediffmail.com)

8. A H Dwivedi, "Role and Significance of Water as Fire Extinguishing Media: A Review" International Journal of Chemtech Applications, 1(1) (Nov 2012), (2012), 114-127. (ISSN: 2319-7099, International peer reviewed journal, Citation index: 2)
9. A H Dwivedi, U C Pande, "Photochemical Degradation of Halogenated Compounds: A Review" Scientific Reviews and Chemical Communications, 2(1) (March 2012), (2012), 41-65. [Invited review] (ISSN: 2277-2669, International peer reviewed journal)
10. A H Dwivedi, "Polymorphism Issues in Pharmaceutical Industries" Instasci Journal of Chemistry, 1(1) (Dec 2011), (2011), 11-17. [Invited review] (ISSN: 2277-6931, International peer reviewed journal)
11. A H Dwivedi, U C Pande, "Methylene Blue Sensitized Photodechlorination of Isomeric Mono- and Dichloroanilines via Molecular Complex Formation Mechanism" E-Journal of Chemistry, 8(3) (Jul 2011), (2011), 1086-1093. (ISSN: 0973-4945, Impact factor: **0.716**, Citation index: 3) [International]
12. A H Dwivedi, U C Pande, "Simple and economic spectrophotometric method for simultaneous photosensitized dechlorination and decarboxylation of isomeric mono- and dichlorobenzoic Acids" E-Journal of Chemistry, 7(S1) (Dec 2010), (2010), S111-S120. (ISSN: 0973-4945, Impact factor: **0.716**, Citation index: 3) [International]
13. A H Dwivedi, U C Pande, "Spectrophotometric study of photosensitized dechlorination of isomeric chloroanisidines" Journal of Indian Chemical Society, 82(5) (May 2005), (2005), 424-427. (ISSN: 0019-4522, Impact factor: **0.38**, Citation index: 6) [National]
14. A H Dwivedi, U C Pande, "Spectrophotometric study of photosensitized dechlorination of some isomeric mono- and dichloronitrobenzenes" International Journal of Photochemistry and Photobiology A: Chemistry, 154(2-3) (Jan 2003), (2003), 303-309. (ISSN: 1010-6030, Impact factor: **2.243**, Citation index: 13) [International]

### ***Published Books / Book Chapters***

1. Ankur Pandya, Ankur H Dwivedi, Prafulla K. Jha, "Electron Transport Parameters Study in Boron Nitride and Graphene Nitride Nanosheets" National Conference on Recent Trends in Technology and Management book proceedings, published by Department of Instrumentation and Control Engineering, Faculty of Technology, Dharmsinh Desai University, Nadiad, Gujarat, India, NCRTTM 2016 (8<sup>th</sup> Mar 2016), (Mar 2016) (2016), Chapter-25, 191-194. (ISBN: 978-81-909832-1-1) (311 pp) [National]
2. Ankur H Dwivedi, Palak S Shukla, Farjin K Mansuri, "Aloe vera: A magical Plant" Lambert Academic Publishing GmbH & Co. KG, Saarbrücken, Germany (6<sup>th</sup> July 2015), (2015). (ISBN: 978-3-659-75464-7) (100 pp) [International]



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3. Ankur H Dwivedi, Shibu G Pillai, Neha Patni, "Extraction and Determination of Cerium (IV) by Derivative of Calix[4] Resorcinarene-Hydroxamic Acid" International Conference on Advances in Chemical Engineering and Technology book proceeding, published by Elsevier for Department of Chemical Engineering, T. K. M. College of Engineering, Kollam Kerala, India. ICACE TKMCE '14 (16<sup>th</sup>-18<sup>th</sup> Oct 2014) (**2014**), Chapter-46, 203-206. (ISBN: 9789351072843) (391 pp) [International]
4. Amit C Rami, Ankur H Dwivedi, Shibu G Pillai, "Study of Some Oscillatory Reactions and Their Applications" Lambert Academic Publishing GmbH & Co. KG, Saarbrücken, Germany (2<sup>nd</sup> August 2013), (**2013**). (ISBN: 978-3-659-43924-7) (116 pp) [International]
5. Ankur H Dwivedi, "Chemical Engineering and Chemistry" LAP Lambert Academic Publishing GmbH & Co. KG, Saarbrücken, Germany (14<sup>th</sup> September 2012), (**2012**). (ISBN : 978-3-659-24378-3) (61 pp) [International]
6. Vasudev B Jakhaniya, Ankur H Dwivedi, Shibu G Pillai, "Spectrophotometric Trace Analysis of Transition Metal Ions" Lambert Academic Publishing GmbH & Co. KG, Saarbrücken, Germany (16<sup>th</sup> July 2012), (**2012**). (ISBN: 978-3-659-18634-9) (221 pp) [International]
7. Ankur H Dwivedi, "Photochemical Degradation of Halo-Organic Compounds" Lambert Academic Publishing GmbH & Co. KG, Saarbrücken, Germany (11<sup>th</sup> April 2012), (**2012**). (ISBN: 978-3-8484-8285-6) (224 pp) [International]

### *Presented Work*

1. S G Pillai, A H Dwivedi, Neha Patni, Uma Harikrishnan K "Eight-Armed Functionalized Macrocyclic Hydroxamic Acid: Separation and Determination of Lanthanum (III) ion" Poster paper presented in International Conference on Water from Pollution to Purification, 12<sup>th</sup>-15<sup>th</sup> December **2016** at School of Environmental Sciences, Mahatma Gandhi University, Kottayam, Kerala, India. [International]
2. A H Dwivedi "Chiral Separation: A Critical Parameter in Pharmaceutical Industries" Poster paper presented in National Seminar On Recent Advances in Drug Discovery (RADD-2016), 28<sup>th</sup> March **2016** at Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat, India. [National]
3. A Pandya, A H Dwivedi, P K Jha "Electron Transport Parameters Study in Boron Nitride and Graphene Nitride Nanosheets" Oral paper presented in National Conference on Recent Trends in Technology and Management, 8<sup>th</sup> March **2016** at Department of Instrumentation and Control Engineering, Faculty of Technology, Dharmsinh Desai University, Nadiad, Gujarat, India. [National]
4. S G Pillai, A H Dwivedi, Neha Patni, Uma Harikrishnan K "Extraction and Trace Determination of Lanthanum (III) by Octafunctionalized Calix[4]Resorcinarene-Hydroxamic Acid" Poster paper presented in International Conference on Advances in Chemical Engineering, 20<sup>th</sup>-22<sup>nd</sup> December



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**2015** at Department of Chemical Engineering National Institute of Technology Karnataka (NITK) Surathkal, Mangalore, Karnataka, India. [International]

5. S G Pillai, A H Dwivedi, Neha Patni, Maulik Chaudhary, Khanjan Solanki, "Metallophthalocyanine Thin Films: Detection of Amines" Poster paper presented in National seminar on Confluence of Supramolecular Chemistry & Nanoscience, 27<sup>th</sup>-28<sup>th</sup> March **2015** at Ahmedabad Management Association, ATIRA Campus, IIM-A Road, Ahmedabad, Gujarat, India [National]
6. A H Dwivedi, Neha Jain, Pooja Patel, Poonam Sharma, "The Versatile Bamboo Charcoal" Oral paper presented in International Conference on Multidisciplinary Research & Practice, 30<sup>th</sup> November **2014** at Ahmedabad Management Association, ATIRA Campus, IIM-A Road, Ahmedabad, Gujarat, India [International]
7. A H Dwivedi, S G Pillai, Neha Patni, "Extraction and Determination of Cerium (IV) by Derivative of Calix[4]Resorcinarene-Hydroxamic Acid" Oral paper presented in International Conference on Advances in Chemical Engineering and Technology, 16<sup>th</sup>-18<sup>th</sup> October **2014** at Department of Chemical Engineering, T. K. M. College of Engineering, Kollam Kerala, India. [International]
8. A H Dwivedi, S G Pillai "Photosensitized Reactions: An Important Route of Reaction in Photochemistry" Oral paper presented in International Conference on Emerging Trends in Science and Cutting Edge Technology, 28<sup>th</sup> September **2014** at YMCA, Cannought Palace, New Delhi, India. [International]
9. A H Dwivedi, "Technologies and Challenges in Water Purification" Oral paper presented in International Conference on Advances in Trade, Commerce, Social Sciences, Management, Engineering and Hospitality, 10-11<sup>th</sup> May **2014** at Pudmajee Hall, MCCIA, Pune, Maharashtra, India. [International]
10. S G Pillai, A H Dwivedi, Neha Patni, Smit S Patel, Alay D Gohel, "Phthalocyanine Thin Films: Application to Gas Sensing" Poster paper presented in National Conference on Supramolecules and Nanotechnology, 18-19<sup>th</sup> October **2013** at Gujarat Forensic Sciences University-Gandhinagar, Gujarat, India. [National]
11. S G Pillai, A H Dwivedi, Neha Patni, "Liquid-Liquid Extraction and Spectrophotometric Determination of Vanadium(V) with p-Carboxy-N-Phenyl-Calix[4]resorcinarene-hydroxamic Acid" Oral paper presented and published in 3rd Nirma University International Conference (NUiCON-2012), 6-8<sup>th</sup> December **2012** at Nirma University, Ahmedabad, Gujarat, India. [International]
12. Neha Patni, S G Pillai, A H Dwivedi, "Wheat as a Promising Substitute of Corn for Bioethanol Production" Oral paper presented and published in 3rd Nirma University International Conference (NUiCON-2012), 6-8<sup>th</sup> December **2012** at Nirma University, Ahmedabad, Gujarat, India. [International]



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13. A H Dwivedi, S G Pillai, Neha Patni, "Mass Spectrometry: An Important Tool in Clinical Research" Oral paper presented and published in 2<sup>nd</sup> Nirma University International Conference (NUiCON-2011), 8-10<sup>th</sup> December **2011** at Nirma University, Ahmedabad, Gujarat, India. [International]
14. S G Pillai, A H Dwivedi, Neha Patni, "Synthesis and Characterization of p-carboxy-N-phenyl calix[4]resorcinarene-hydroxamic acid" Oral paper presented and published in 2<sup>nd</sup> Nirma University International Conference (NUiCON-2011), 8-10<sup>th</sup> December **2011** at Nirma University, Ahmedabad, Gujarat, India. [International]
15. Neha Patni, S G Pillai, A H Dwivedi, "Analysis of Current Scenario of Biofuels in India specifically Bio-diesel and Bio-ethanol" Oral paper presented and published in 2<sup>nd</sup> Nirma University International Conference (NUiCON-2011), 8-10<sup>th</sup> December **2011** at Nirma University, Ahmedabad, Gujarat, India. [International]
16. A H Dwivedi, U C Pande, "Photosensitized dechlorination and decarboxylation of o-, m- and p-benzoic acids" Oral paper presented in National Symposium on Recent Trends in Nanomaterials and Photochemistry, 23-24<sup>th</sup> December **2005** at Gujarat University, Ahmedabad, Gujarat, India. [National]
17. A H Dwivedi, U C Pande, "Study of Photosensitized Dechlorination of Chloroanisidines by Methylene Blue via Molecular Complex Mechanism" Poster paper presented in 92<sup>nd</sup> Indian Science Congress, 3-7<sup>th</sup> January **2005** at Ahmedabad, Gujarat, India. [International]
18. A H Dwivedi, U C Pande, "Study of formation of molecular complex in photochemically excited state of anisidines and cationic dye" Poster paper presented in 91<sup>st</sup> Indian Science Congress, 3-7<sup>th</sup> January **2004** at Chandigarh, Punjab, India. [International]
19. A H Dwivedi, U C Pande, "Photosensitized dechlorination of isomeric monochloronitrobenzenes" Poster paper presented in 89<sup>th</sup> Indian Science Congress, 3-7<sup>th</sup> January **2002** at Lucknow, Uttar Pradesh, India. [International]

### *Training Programs, Seminars & Workshops*

1. "Workshop on Applications of computational tools in Chemical Engineering" conducted by Chemical Engineering Department, Institute of Technology, Nirma University, Ahmedabad, organized by the Centre for Continuing Education (CCE), 23<sup>rd</sup>-24<sup>th</sup> April **2016** in Nirma University, Ahmedabad, Gujarat, India. [State level]
2. "ISTE approved Short Term Training Program (STTP) on Future Frontiers in Catalysis" organized by Chemical Engineering Department, Institute of Technology, Nirma University, Ahmedabad, 30<sup>th</sup> June-11<sup>th</sup> July **2014** in Nirma University, Ahmedabad, Gujarat, India. [National level]



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3. “UGC sponsored 76<sup>th</sup> Orientation Programme” organized by Academic Staff College, 11<sup>th</sup> November - 8<sup>th</sup> December **2013** at Academic Staff College, Gujarat University, Ahmedabad, Gujarat, India. [National level]
4. “National seminar on NextGen Universities: Roadmap for higher education in India” organized by Nirma University celebration 17th April **2013** (on the occasion of 10 years) at Nirma Institute of Management, Nirma University, Ahmedabad, Gujarat, India. [National level]
5. “National seminar on advances in catalysis and catalysts” organized by Nirma University, 28<sup>th</sup> February **2013** at Department of Chemical Engineering, Nirma University, Ahmedabad, Gujarat, India. [National level]
6. “ISTE Workshop on AAKASH tablet for education” organized by Indian Institute of Technology, Mumbai, under the National Mission on Education through ICT (MHRD), 10<sup>th</sup>-11<sup>th</sup> November **2012** in Nirma University campus, Ahmedabad, Gujarat, India. [National level]
7. “ISTE approved Short Term Training Programme (STTP) on computations and simulation in Chemical Engineering” organized by Institute of Technology, Nirma University, Ahmedabad, 2<sup>nd</sup>-14<sup>th</sup> July **2012** in Nirma University campus, Ahmedabad, Gujarat, India. [National level]
8. “Induction training program for faculty members” organized by Institute of Technology, Nirma University, Ahmedabad, 7<sup>th</sup>-19<sup>th</sup> May **2012** in Nirma University campus, Ahmedabad, Gujarat, India. [Institute level]
9. “Instrumentation solutions for R&D and QC in Pharmaceuticals and Chemistry” One day seminar organized by Anton Paar India Pvt. Ltd., 20<sup>th</sup> December **2011** in Hotel Royal Orchid Central, Ahmedabad, Gujarat, India. [State level]
10. “Basic training course on MDSciex API 2000 LC-MS/MS” Training course by Labindia Instruments Pvt. Ltd., 24<sup>th</sup>-25<sup>th</sup> January **2006** at BioArc Research Solution R&D Centre of Alembic Ltd., Vadodara, Gujarat, India. [National level]
11. “HPLC advanced method development, troubleshooting and 21CFR Part 11 compliance LC-Solution software” Training course by Shimadzu, Japan, 25<sup>th</sup>-26<sup>th</sup> November **2005** at BioArc Research Solution R&D Centre of Alembic Ltd., Vadodara, Gujarat, India. [National level]
12. “National Seminar on modern trends in Fullerene, Calixarene and Crown Ethers” Seminar organized by Gujarat University, 28<sup>th</sup> February **2004** at Department of Chemistry, Gujarat University, Ahmedabad, Gujarat, India. [National level]
13. “SATCOM based patent awareness workshop” Workshop organized by R. C. Technical Institute, 30<sup>th</sup> January **2004** at R. C. Technical Institute, Ahmedabad, Gujarat, India. [National level]



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14. “National seminar on modern trends in macrocyclic compounds” Seminar organized by Gujarat University, 19<sup>th</sup>-20<sup>th</sup> February **2000** at Department of Chemistry, Gujarat University, Ahmedabad, Gujarat, India. [National level]

### *Expert Lectures Delivered*

1. “Industrial Requirements for Chemistry Students” in STTP for M.Sc Chemistry Sem 3 students, organized by Shri Maneklal M. Patel Institute of Sciences & Research, KSV University, Gandhinagar, 9<sup>th</sup> June **2017** at Gandhinagar, Gujrat, India. [Institute level]
2. “Applications of Chemical Analysis in Industries” in UGC sponsored “Career Oriented Program in Analytical Chemistry”, organized by Sheth M. N. Science College, Patan, 1<sup>st</sup> October **2016** at Sheth M. N. Science College, Patan, Gujarat, India. [State level]
3. “Interactive Orientation Program on Engineering Chemistry” under Centre for Continuing Education (CCE), organized by Institute of Technology, Nirma University, Ahmedabad, 24<sup>th</sup>-26<sup>th</sup> May **2016** at Post Graduate & Research Centre, Nirma University, Ahmedabad, Gujarat, India.
4. “Sophisticated Analytical Instruments” in Chemical Engineering Students’ Workshop during NU-Tech’16, a national level techno-management colloquium, organized by Institute of Technology, Nirma University, Ahmedabad, 25<sup>th</sup> February **2016** at Post Graduate & Research Centre, Nirma University, Ahmedabad, Gujarat, India. [National level]
5. “Nanotechnology in our daily life” in STTP on “Fundamentals of Nanotechnology: Supplementary teaching” organized by Government Polytechnic, Gandhinagar, 3<sup>rd</sup> November **2015** at BISAG Gandhinagar, Gujarat, India. [State level]
6. “Analytical Chemistry in Chemical Engineering” in 1<sup>st</sup> year M.Tech. Orientation Program organized by Nirma University, Ahmedabad, 6<sup>th</sup> August **2015** at Post Graduate & Research Centre, Nirma University, Ahmedabad, Gujarat, India. [Institute level]
7. “Characterization Techniques” in 1<sup>st</sup> year M.Tech. Orientation Program organized by Nirma University, Ahmedabad, 19<sup>th</sup> July **2014** at Post Graduate & Research Centre, Nirma University, Ahmedabad, Gujarat, India. [Institute level]
8. “Catalyst Characterization - XRD, ICP, AAS, XPS, FTIR” in ISTE approved STTP on “Future Frontiers in Catalysis” organized by Chemical Engineering Department, Nirma University, Ahmedabad, 7<sup>th</sup> July **2014** at Post Graduate & Research Centre, Nirma University, Ahmedabad, Gujarat, India. [National level]
9. “Analytical Chemistry: Significance & Applications” in S. V. Institute of Post Graduate Studies and Research, KSV University, Gandhinagar, 20<sup>th</sup> May **2014**, at Gandhinagar, Gujarat, India. [Institute level]





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10. “Career in Industries” in popular lecture series organized by R. G. Shah Science College, Ahmedabad, 19<sup>th</sup> January **2013** at R. G. Shah Science College, Ahmedabad Gujarat, India. [Institute level]
11. “Industries are Waiting for You” in UGC sponsored one day workshop on “Inspiration Workshop for College Students” in the wake of the celebration of 150<sup>th</sup> Birth Anniversary of Swami Vivekananda organized by Sheth M. N. Science College, Patan, 28<sup>th</sup> August **2012** at Sheth M. N. Science College, Patan, Gujarat, India. [Institute level]
12. “Importance of Chemistry for Chemical Engineers” in a lecture series for M.Tech. students to provide the fundamental understanding of the subjects to perform better in the campus interview, arranged by Prof. Parag Saxena in Chemical Engineering Department of, Nirma University, 21<sup>st</sup> August **2012** at Post Graduate & Research Centre, Nirma University, Ahmedabad, Gujarat India. [Institute level]
13. “Industries are Waiting for You” in UGC granted one day seminar on “The Role of Chemists in Industries and Research” in the wake of the celebration of international year of chemistry organized by Shri U. P. Arts, Smt. M.G. Panchal Science, & Shri V. L. Shah Commerce College, Pilvai, 31<sup>st</sup> December **2011** at Pilvai Science College, Pilvai, Gujarat, India. [State level]
14. “Ultraviolet-Visible Spectroscopy” in work shop on “Importance of Analytical Instruments” organized by Institute of Diploma Studies, Nirma University, 14<sup>th</sup> October **2011** at Nirma University, Ahmedabad, Gujarat, India. [Institute level]

### *Member of Associations, Technical Societies, Editorial / Advisory Board and Reviewer committee*

1. Life member of The Indian Science Congress Association (Membership No: L31006)
2. Member of Editorial Board of International Journal of Environmental Chemistry (IJECE) (ISSN: Awaited) (IF: Awaited) **(2016-Conti.)**
3. Member of Editorial Board of International Journal of Green Chemistry (IJGC) (ISSN: Awaited) (IF: Awaited) **(2016-Conti.)**
4. Member of Editorial Board of International Journal of Analytical and Applied Chemistry (IJAAC) (ISSN: Awaited) (IF: Awaited) **(2016-Conti.)**
5. Member of Reviewer Board of International Journal of Advanced Information in Engineering and Technology (IJAIET). (ISSN: 2454-6933) (IF: 3.59) **(2016-Conti.)**
6. Member of Editorial / Advisory Board of Journal of Advanced Pharmaceutical Research (JAPR). (ISSN: 2229-3787) (IF: Awaited) **(2016-Conti.)**
7. Life member of The Association of Chemistry Teachers (Membership No: LM 1696)



8. Faculty Life member of Nirma Institute of Technology Alumni Association (NITAA)
9. Life member of Indian Society for Technical Education (ISTE) (Membership No: LM 87843).
10. Member of Editorial / Advisory Board of International Journal of Applied Biology and Pharmaceutical Technology (IJABPT). (ISSN: 0976-4550) (IF :0.9860) (2011-2014)
11. Reviewer of Asia-Pacific Journal of Chemical Engineering (Wiley Online Library). (ISSN: 1932-2143) (IF: 0.758) (2013)

**Professional Experience:** [Pharmaceutical Industry Experience: About 8.2 years](#)

[Teaching Experience at UG Level: About 6.5 years plus](#)

[Research + Personal Teaching Experience at 10+2 Level: About 4.5 years](#)

[Total Experience: About 19 years plus](#)

Since 1 <sup>st</sup> Jul 2011-Conti.	<b>Nirma University, Institute of Technology</b> Chemical Engineering Dept, Ahmedabad, Gujarat.	As: Asst. Prof. Chemistry
1 <sup>st</sup> Apr 2010-30 <sup>th</sup> Jun 2011 (~1 year & 3 months)	<b>ZCL Chemicals Ltd. (Zandu Group)</b> Ankleshwar, Gujarat.	As: Manager ADL-API
1 <sup>st</sup> Aug 2007-31 <sup>st</sup> Mar 2010 (~2 years & 8 months)	<b>Calyx Chemicals and Pharmaceuticals Ltd.</b> Dombivli, Thane, Maharashtra.	As: Assistant Manager ADL-API
15 <sup>th</sup> Jul 2006-18 <sup>th</sup> Jul 2007 (~1 year)	<b>Rubamin Laboratories Ltd. (Now Lupin Ltd.)</b> Vadodara, Gujarat.	As: Assistant Manager ADL-API
18 <sup>th</sup> Apr 2005-10 <sup>th</sup> Jul 2006 (~1 year & 4 months)	<b>Alembic Ltd. (BioArc Research Solution)</b> Vadodara, Gujarat.	As: Research Scientist ADL-API
13 <sup>th</sup> Aug 2004-5 <sup>th</sup> Apr 2005(9 months)	<b>College of Fire Technology</b> Sanand, Ahmedabad, Gujarat.	As: Lecturer Chemistry
1 <sup>st</sup> Jul 1999-10 <sup>th</sup> Aug 2004 (~5 years)	<b>Research work + Personal Teaching</b> Ahmedabad, Gujarat.	As: Researcher & Lecturer in Chemistry for 10+2, IIT, PMT, JEE etc.
1 <sup>st</sup> Aug 1997-19 <sup>th</sup> Jun 1999 (~1 year & 11 months)	<b>Sun Pharma Advanced Research Centre (SPARC)</b> Vadodara, Gujarat.	As: Research Assistant ADL-API

*ADL-API: Analytical Development Lab-Active Pharma Ingredients*



## RESUME

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### Academic Job Profile

- Teaching Engineering Chemistry and Physical & Analytical Chemistry at under graduate level (B.Tech.) students, guiding under graduate & post graduate (B.Tech. & M.Tech) students for their Seminar and Project (Major and Minor) in Nirma Institute of Technology.
- Teaching Fire Chemistry and Chemical Safety & Hazards at under graduate level (B.Sc.) students in College of Fire Technology.

### Pharmaceutical Job Profile

- Analytical method development for Raw materials, Intermediates In-process and Finish products of API & Custom Research Molecules using Chromatography and Chemical methods.
- Analytical method validation of API finish product using chromatography and chemical methods.
- Analytical method transfer to QC department after completion of validation.
- LC-MS method development & impurity profiling for the identification of unknown impurities of API, raw materials, in-process samples and intermediates using ESI technique.
- Separation of Impurities by preparative HPLC.
- Polymorphism study of various APIs by DSC, TGA and XRPD techniques.
- Stability and Stress studies of APIs as per regulatory requirements.
- Forced degradation studies to identify the route of degradation and establishing stability indicating method.
- Periodic calibration of various instruments, preparation and evaluation of working reference standards.
- Preparation of SOPs, STPs, MOA & COA for raw materials, intermediates and API-finish products and their implementation as per GLP requirements.
- Looking after the new instruments' installation and qualification (IQ, OQ, PQ).
- Training of chemists and new trainees.

### Area of interest

- Analytical Method Development & Validation of Pharmaceuticals
- Chromatographic Techniques
- Pharmaceutical Analysis
- Regulatory Affairs
- Photochemistry

### Assets

- Good communication skill & leadership qualities.
- Aptitude to learn new ideas and quick adopting tendency.
- Willingness to approach the problems and find out the solutions within time limit.
- Always ready to find out the root cause of problem and its solution.
- Cordial team member with witty and jolly temperament.



**RESUME**  
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### References

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