



## CURRICULUM VITAE

### DR. DHRUBO JYOTI SEN

D.Pharm., B.Sc. (Hons), B.Pharm. (Hons), M.Pharm., Ph.D., FICS,  
CChem FIC (India), CChem FRSC (UK), CSci (UK), AOM (USA)

Recipient of K.K. Acharjee Award, Recipient of Jewel of India Award, Recipient of Rashtriya Vidya Saraswati Puraskar, Recipient of Rashtriya Vidya Jyoti Award and Gold Medal, Recipient of Life Time Achievement Gold Medal Award, Recipient of Eminent Educationist Award, Recipient of International Gold Star Award, Recipient of Vidya Ratan Award, Recipient of Gyan Jyoti Gold Medal Award, Recipient of Bharat Excellence Award & Gold Medal, Recipient of India Inspiration Award & Gold Medal, Recipient of Seva Chakra Puraskar, Recipient of American Order of Merit, Recipient of Golden Educationist of India Award, Recipient of NEHS Global Award of Excellence and Gold Medal of Excellence, Recipient of NEHS Jewel of India Award and NEHS Gold Medal of Excellence, Recipient of Academician of the Year Award, Recipient of Outstanding Faculty of the Year Award, Recipient of Award for Special Achievement in Technology, Recipient of Distinguished Faculty Award in Medicinal Chemistry, Recipient of Fellowship award, Recipient of Distinguished Faculty Award in Health and Medical Sciences

#### Professor

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Residential Address	:	1, Anmol Villa-I, Ramosna Road, Mehsana-384 002, Gujarat, India
Father's Name & Designation	:	(Late) Prof. Chiranjib Sen, M.Sc. (Chemistry: Special Paper-Organic Chemistry), FIC (India) Principal, Institute of Pharmacy (Bihar Govt.; Health Department), Agamkuan, Gulzarbag, Patna-800 007, Bihar
Mother's Name	:	Mrs. Archana Sen, B.A.
Date of Birth	:	June 2, 1969
Nationality	:	Indian
Religion	:	Hinduism
Marital Status	:	Married
Physical Standards	:	Height: 5'9", Weight: 75 kgs, Eyesight: Normal and Blood Group: O, Rh+ve.

### ACADEMIC ATTAINMENTS:

Examinations Passed	Board/University	Year of Passing	Result
Secondary	Bihar School Examination Board, Patna	1981	First Division: 69.55%
Intermediate of Science	Bihar Intermediate Education Council, Patna	1983	First Division: 63.55%
Bachelor of Science (Honours)	Patna University, Patna	1987	First Class: 63.00%
Diploma in Pharmacy	Pharmacy Institute, Patna	1988	First Division: 70.58%
Bachelor of Pharmacy (Honours)	Jadavpur University, Calcutta	1992	First Class: 77.01%
Master of Pharmacy	Jadavpur University, Calcutta	1994	First Class: 78.07%
Doctor of Philosophy	Jadavpur University, Calcutta	2001	Awarded

Prof. (Dr.) Dhrubo Jyoti Sen-Biodata

## ACADEMIC ACHIEVEMENTS:

1. Recipient of **State Merit Scholarship** from Bihar (1981-1987).
2. B.Sc. Honours in **Chemistry** with sixth rank.
3. Recipient of **K.K. Acharjee Award** from the Indian Hospital Pharmacists Association, New Delhi due to first rank in Diploma in Pharmacy examination in state of Bihar (**11 July 1988**).
4. Secured fifth rank in B.Pharm. Final examination.
5. Secured eighth rank in M.Pharm. Final examination.
6. Recipient of **GATE** scholarship (1993) in the discipline of Pharmaceutical Sciences with percentile score 83.64.
7. Recipient of **Chartered Chemist Award** from the Institution of Chemists, India (**CChem, 20 May 2005**).
8. Recipient of **Chartered Chemist Award** from the Royal Society of Chemistry, UK (**CChem, 2 December 2005**).
9. Recipient of **Jewel of India Award** from The Indian Solidarity Council, New Delhi for outstanding achievements in the field of education (**14 September 2009**).
10. Recipient of **Rashtriya Vidya Saraswati Puraskar** from International Institute of Education & Management, New Delhi for outstanding achievements in the field of education (**24 November 2009**).
11. Recipient of **Life Time Achievement Gold Medal Award** from The Indian Solidarity Council, New Delhi for outstanding achievements in the field of education (**24 November 2009**).
12. Recipient of **Rashtriya Vidya Jyoti Award** and **Gold Medal** from Indian Society for Industry & Intellectual Development, New Delhi for outstanding achievements in the field of education (**25 November 2009**).
13. Recipient of **Eminent Educationist Award** from National & International Compendium, New Delhi for outstanding achievements in the field of education (**19 January 2010**).
14. Recipient of **International Gold Star Award** from Economic and Human Resource Development Association, New Delhi for outstanding achievements in the field of education in **Indo-Thai Friendship Summit** at Bangkok, Thailand (**28 May 2010**).
15. Recipient of **Vidya Ratan Award** from The Economic for Health and Educational Growth, New Delhi for outstanding achievements in the field of education (**14 February 2011**).
16. Recipient of **Gyan Jyoti Gold Medal Award** from Nations Economic for Health and Educational Growth, New Delhi for outstanding achievements in the field of education (**14 February 2011**).
17. Recipient of **Bharat Excellence Award & Gold Medal (20 July 2011)** and **India Inspiration Award & Gold Medal (20 July 2011)** from Friendship Forum of India, New Delhi for extraordinary achievements in the field of science, technology, education, industry, fine arts, sports, politics and social work, who have done something special for this country and/or their countrymen and have attained greater excellence in the field of their work or who have a touch of genius, or who have scaled the heights against odds to achieve excellence, people who have made a mark in their particular activity by any standard world-wide, or those who work is an inspiration to others.
18. Recipient of **Seva Chakra Puraskar** from Aaj Tak news channel, Odhisa for excellent performance in educational sector (**17 September 2011**).
19. Recipient of **Chartered Scientist Award** from the Royal Society of Chemistry and Science Council, UK (**CSci, 8 March 2012**).
20. Recipient of **American Order of Merit Honour** from American Biographical Institute, Raleigh, North Carolina, USA, **2012**.
21. Recipient of **Golden Educationist of India Award** from International Institute of Education & Management, New Delhi for exceptional caliber and outstanding performance (**27 March 2013**).
22. Recipient of **NEHS Global Award of Excellence and Gold Medal of Excellence** from Nexus Eclat Honours Society of USA at Hyderabad (**24 November 2013**).
23. Recipient of **NEHS Jewel of India Award** and the **NEHS Gold Medal of Excellence** for outstanding achievements and remarkable role in professional career at Nalgonda, Telengana, Hyderabad by Nexus Eclat Honours Society of USA (**12 July 2014**).
24. Recipient of **Academician of the Year Award** by 3<sup>rd</sup> Academic Brilliance Awards-15 at Noida (Delhi-NCR) (**14 February 2015**).
25. Recipient of **Outstanding Faculty of the Year Award** by 3<sup>rd</sup> Faculty Branding Awards-15 (FBA-15) for the year 2015 at Calcutta (**2 August 2015**).
26. Recipient of **Award for Special Achievement in Technology** by 3<sup>rd</sup> Technology Achievement Awards-2015 for the year 2015 at New Delhi (**1 November 2015**).

27. Recipient of **Distinguished Faculty Award in Medicinal Chemistry** by Venus International Faculty Awards at Chennai (9 July 2016).
28. Recipient of **Fellowship Award** by Research Scholar Hub at Gujarat (28 January 2018).
29. Recipient of **Distinguished Faculty Award in Health and Medical Sciences** by Venus International Faculty Awards-VIFA 2018 at Chennai (7 July 2018).

[http://www.gtu.ac.in/Award/GTU\\_Faculty\\_Honours.pdf](http://www.gtu.ac.in/Award/GTU_Faculty_Honours.pdf)

### MEMBERSHIPS:

1. Pharmacy registration number: Bihar State Pharmacy Council: (1994), 10150.
2. Member of the Indian Pharmaceutical Association (Life Member, 1995): IPA Enrolment Number: BEN/LM/0141.
3. Fellow of the Indian Chemical Society, **FICS** (Life Member, 1995): FICS Enrolment Number: LF/4550.
4. Fellow of the Institution of Chemists (India); **FIC** (Life Member, 2003): FIC Enrolment Number: LF-65(4)/4224.
5. Member of the Indian Science Congress Association (Life Member, 2005): ISCA Membership Enrolment Number: L/11390.
6. Member of the Association of Pharmaceutical Teachers of India (Life Member, 2005): APTI Enrolment Number: GU/LM-089.
7. Fellow of the Royal Society of Chemistry, UK (**FRSC**, 2011): FRSC Enrolment Number: 336159.
8. Member of Research Scholar Hub (Life Member: 2014). RSH Enrolment Number: RSH/IN/GJ/LM-08/2014.

### RESEARCH EXPERIENCE:

1. Postgraduate research work on M.Pharm. project entitled as *Industrial problems in manufacturing of guaiacol from o-anisidine & manufacture of m-nitrobenzaldehyde; a drug intermediate* was performed by GATE scholarship in the laboratory of Medicinal & Pharmaceutical Chemistry under the guidance of Late Prof. (Dr.) Samir Chandra Lahiri in the Department of Pharmaceutical Technology, Jadavpur University, Calcutta-700032.
2. Doctoral research work on Ph.D. project entitled as *Investigation on newer anti-inflammatory, sedative-hypnotic & antimicrobial agents* was done in the field of synthetic Medicinal & Pharmaceutical Chemistry with State Govt. Research Fellowship under the supervision of Prof. (Dr.) Jayanta Kumar Gupta, Head of the Department of Pharmaceutical Technology, Jadavpur University, Calcutta-700032.

### FIELD OF INTEREST:

1. Synthetic organic medicinal chemistry
  2. Pharmacology & Toxicology
- Developed a new method of extraction of pure caffeine with satisfactory yield from tea leaves. Developed a new idea of nitration in the aromatic ring during preparation of m-nitrobenzaldehyde, which is a drug intermediate of iopanoic acid; a diagnostic aid. Developed a new method of steam hydrolysis of diazonium group during preparation of guaiacol, a cough expectorant. Developed a new method of preparation and separation of pure and dry carbon monoxide from the mixture of carbon dioxide and utilization of this gas in determination of the potency of porphyrin rings. Green Chemistry synthesis of newer Mannich base & Schiff base derivatives of indan, oxadiazole, pyrazole, piperidinone, thiazolidine, dihydropyrimidine, azetidinone, quinazoline, quinoxaline, imidazole, benzimidazole, benzotriazole, pyrazolo-triazine, tetrahydropyrimidine and caffeine derivatives having anti-inflammatory, sedative-hypnotic, antihypertensive, antioxidant, antidiabetic, antimalarial, antiviral, antifungal and antimicrobial property in the same molecule. Working in synthetic field on molecular latentiation, bioisosterism and repository form of indan derivatives and their intramolecular Mannich base heterocyclic adducts and their pharmacological and toxicological activities. Working on COX-1 and COX-2 inhibitory effects of synthesized as well as herbal extracts. Working on green chemistry synthesis in ionic liquid and kinetic study.

### PROFESSIONAL EXPERIENCE:

#### 1. Teaching:

Designation: **PRINCIPAL**

Work place: Dr. B.R. Ambedkar Institute of Pharmaceutical Sciences, Bailey Road, Patna, Bihar.

**Duration: 11 June 1994 to 20 December 1994**

**Period: 6 months 10 days.**

#### 2. Research:

Designation: **SENIOR RESEARCH FELLOW**

Work place: Dept. of Pharmaceutical Technology, Jadavpur University, Calcutta-700032, West Bengal.

**Duration: 5 January 1995 to 20 October 2000**

**Period: 5 years 9 months 15 days.**

### **3. Teaching:**

(a) Designation: **LECTURER**

Work place: Dept. of Pharmaceutical Chemistry, Shri Sarvajanic Pharmacy College (Hemchandracharya North Gujarat University), Arvind Baug, Mehsana-384001, Gujarat.

**Duration: 20 November 2000 to 15 June 2001**

**Period: 6 months 25 days.**

(b) Designation: **ASSISTANT PROFESSOR**

Work place: Dept. of Pharmaceutical Chemistry, Shri Sarvajanic Pharmacy College (Hemchandracharya North Gujarat University), Arvind Baug, Mehsana-384001, Gujarat.

**Duration: 15 June 2001 to 31 July 2006**

**Period: 5 years 1 month 15 days.**

(c) Designation: **PROFESSOR**

Work place: Dept. of Pharmaceutical Chemistry, Shri Sarvajanic Pharmacy College (Gujarat Technological University), Arvind Baug, Mehsana-384001, Gujarat.

**Duration: 1 August 2006 onwards**

**Period: 12 years onwards.**

### **Doctoral Research Guide:**

(a) Approved as a **Ph.D. Research Guide** of Medicinal & Pharmaceutical Chemistry on **27 June 2003** at Jadavpur University, Calcutta with Dr. Jayanta Kumar Gupta (Professor of Medicinal Chemistry, Department of Pharmaceutical Technology, Jadavpur University, Calcutta):

<b>Name</b>	<b>Project Topic</b>
Mr. Palanisamy Selvamani	<i>Studies on phytoconstituents and biological activity of Commiphora berryi. (Awarded in May 2010)</i>

(b) Approved as a **Ph.D. Research Guide** of Pharmacy on **30 April 2011** at Gujarat Technological University, Ahmedabad: <http://gtu.ac.in/PHD/2012/31512.pdf>

<b>Name</b>	<b>Project Topic (Foreign Co-guide: Dr. G. Ulibarri, Laurentian University, Canada)</b>
Mr. Ishan I. Panchal	<i>Design, synthesis and biological evaluation of some substituted sulphonyl urea, thiourea and guanidine derivatives as hypoglycemic agents (Awarded in April 2018)</i> <a href="http://www.gtu.ac.in/PHD/first_list_of_phd_students-08092011.pdf">http://www.gtu.ac.in/PHD/first_list_of_phd_students-08092011.pdf</a>
Ms. Surabhi Jain	<i>Design, synthesis and biological evaluation of some newer anti-tubercular agents</i> <a href="http://gtu.ac.in/uploads/Data%20for%20Enrolment%20generation%20-%20Batch%202016.pdf">http://gtu.ac.in/uploads/Data%20for%20Enrolment%20generation%20-%20Batch%202016.pdf</a>

(c) Approved as a **Ph.D. Research Guide** of Pharmacy on **17 May 2011** at R. K. University, Rajkot. (**Eight students** have been allotted).

(d) Approved as a **Ph.D. Research Guide** of Medicinal Chemistry on **19 May 2011** at Shri Jagdishprasad Jhabarmal Tibrewala University, Rajasthan. (**Eight students** have been allotted).

(e) Approved as a **Ph.D. Research Guide** in Pharmacy and Allied Health Sciences on **4 June 2015** at Sumandeep University, Baroda.

### **Nature of job:**

1. I am taking theoretical classes and practical classes on **Medicinal Chemistry-II** in **Fourth Year** B.Pharm. from **2001** onwards and also taking theoretical classes on **Special Techniques in Drug Analysis** in **Third Semester** M.Pharm., theoretical and practical classes on **Organic Chemistry-I** in **First Semester** and **Organic Chemistry-II** and **Pharmaceutical Chemistry-I** and **Pharmaceutical Chemistry-II** in M.Pharm. **Second Semester** from **2007** onwards. Total workload of theory, practical classes & project work of **Medicinal Chemistry-II** in **Fourth Year** B.Pharm., and **Organic Chemistry-I** in **First Semester** M.Pharm. is **20** hours per week. **Medicinal Chemistry-II** theoretical classes in **Fourth Year** & **Medicinal Chemistry-I** in **Third Year** B.Pharm. include: Drug metabolism *in-vivo*, concepts on pro-drug, chemistry, biochemistry, structure activity relationship, classification, mode of action, biochemical reaction mechanisms & drug synthesis on various classes. **Medicinal Chemistry-II** practical classes in **Fourth Year** include: Synthetic procedure & reaction mechanism of some organic molecules of medicinal importance & their characteristic studies by determination of elemental microanalysis of CHN%, melting/boiling points, instrumental analysis, pharmacopoeial standards & spectral analysis, biochemical reactions of drug metabolism *in-vitro* through macromolecular biomolecules like microsomal cytochrome oxidase & microsomal cytochrome reductase, microsomal demethylase & microsomal azo/nitro reductase. Synchronization of theoretical part with practical part in **Medicinal**



**Chemistry-II of Fourth Year B.Pharm.** is critically done by myself. Biochemical reactions in metabolism of drug molecule *in-vivo* in theoretical classes is justified in practical classes by performing the *in-vitro* reaction by using the specific reagents on the same functional group of the organic molecule to clarify the complicated reaction mechanism of metabolic reactions. I always maintain a perfect compatibility of theoretical classes with practical classes so that it will be easier for the students to understand the drug metabolism. Structural confirmation of the synthesized molecule having medicinal importance is done by the students by interpretation of spectral data & elemental microanalysis to identify the authenticity of structural network. **Pharmacognosy-III (Phytochemistry)** in **Fourth Year B.Pharm.** include structure elucidation and chemistry of alkaloids, terpenes, glycosides and steroids. **Advances in Pharmaceutical Sciences-I & II** include drug latentiation, pharmacokinetic parameters of drug absorption and accelerated stability studies of thermolabile and thermostable drugs, x-ray crystallography and standardization of herbal formulation. Practical in **Organic Chemistry-I** in **First Semester** and **Pharmaceutical Chemistry-I and Organic Chemistry-II** in **Second Semester M.Pharm.** which include synthesis of organic compounds by Condensation Reactions, Nucleophilic Substitution, Beckmann Rearrangement, Pinacol Pinacolone Rearrangement, Sandmeyer Reaction, Diels Alder Reaction, Mannich Reaction, Cannizzaro Reaction, Aldol Condensation, Claisen Condensation, Decarboxylation, Hydrolysis, Keto-Enol Equilibrium and Elimination Reaction. **Organic Chemistry-I, Organic Chemistry-II, Pharmaceutical Chemistry-I and Pharmaceutical Chemistry-II** theory in both M.Pharm. Semester-I and II, which include Chemical Bonding and Hybridization, Reaction Kinetics, Reaction Mechanisms, Stereochemistry, Photochemistry, Combinatorial Chemistry, Nanochemistry, Microwave Synthesis, Synthon Approach on Drug Synthesis, Name Reactions, Pericyclic Reactions, Chemistry of Vitamins and their Synthesis, Chemistry of Enzymes, Receptor Theory in Drug Action, Molecular Modeling in Drug Design and QSAR and Heterocyclic Chemistry.

2. I decide elective project topics in **Pharmaceutical Chemistry** for the students of **Fourth Year B.Pharm.** according to the recent approaches of pharmaceutical sciences. Guidance for the topic of the selected students has been done by me for better improvement. Necessary instructions are given by me to the students during the time of oral presentation of their project in seminar as well as in conferences. I supervise numerous project works in **Pharmaceutical & Medicinal Chemistry** elective paper of **Bachelor of Pharmacy**. As a senior faculty member of the Department of Pharmaceutical Chemistry six students of **Fourth Year B.Pharm.** have done their projects in **2001-2002**, five students in **2002-2003**, five students in **2003-2004**, four students in **2004-2005**, five students in **2005-2006**, three students in **2006-2007**, one student in **2007-2008**, one student in **2008-2009**, one student in **2009-2010** and one student in **2010-2011** have registered their names in various topics of Pharmaceutical Chemistry.

Name of the students & their project topics in the field of **Pharmaceutical Chemistry**, which they have taken as elective paper in the **Fourth Year B.Pharm.** Degree course are mentioned below:

#### YEAR: 2001-2002

Name	Project Topic
1. Mr. Janak D. Panchal	<i>19-Nor-steroidal anti-inflammatory agents.</i>
2. Mr. Amrish J. Patel	<i>Quinolone antibiotics.</i>
3. Miss Priti G. Pandya	<i>Evaluation of sedative &amp; hypnotics.</i>
4. Mr. Mukesh Sharma	<i>Investigation on newer FDA approved anti-HIV agents.</i>
5. Miss Krishna M. Thakar	<i>Chemistry of mycology &amp; their antagonist.</i>
6. Mr. Dharmesh D. Patel	<i>The role of COX-2 inhibitor in anti-inflammatory disease.</i>

#### YEAR: 2002-2003

Name	Project Topic
1. Mr. Nimesh N. Patel	<i>Chemistry of steroid.</i>
2. Mr. Tushar R. Patel	<i>High throughput screening techniques.</i>
3. Mr. Jigar H. Patel	<i>The recent aspects of combinatorial chemistry.</i>
4. Mr. Kirti B. Chauhan	<i>Chemistry of drug design &amp; receptor binding.</i>
5. Mr. Shreyansh S. Shah	<i>Newer trends in lipid lowering agents.</i>

#### YEAR: 2003-2004

Name	Project Topic
1. Mr. Chintan B. Shah	<i>A chemistry of pancreatic hormones.</i>
2. Miss Beena I. Gazzar	<i>Recent drugs used in angina pectoris.</i>

3. Miss Ankita S. Mehta	<i>Therapeutic approaches in parasite infection.</i>
4. Miss Nikita V. Patel	<i>Modern trends in radiopharmaceuticals &amp; radiopaque agents used in diagnosis.</i>

**YEAR: 2004-2005**

<b>Name</b>	<b>Project Topic</b>
1. Mr. Devang J. Pandya	<i>Organometallic substances as potent chemotherapeutic agents.</i>
2. Miss Divya A. Patel	<i>Importance of pharmaceutical science in agriculture.</i>
3. Miss Nimisha J. Patel	<i>Natural products &amp; its structural modification in cancer therapy.</i>
4. Mr. Yaswant K. Patel	<i>Significance of receptors in drug response.</i>

**YEAR: 2005-2006**

<b>Name</b>	<b>Project Topic</b>
1. Miss Krupa M. Vacchani	<i>Role of vitamins in living system.</i>
2. Miss Bhavya J. Thakar	<i>Chemistry of arachidonic acid in-vivo &amp; its biogenic products.</i>
3. Mr. Krunal J. Shah	<i>Focus of marine biology to new drug entity.</i>
4. Mr. Nitesh J. Prajapati	<i>Trends, advances &amp; application of biosensors in modern era.</i>
5. Mr. Malav N. Madho	<i>Artemisinin: A hope in the fight to curb malaria.</i>

**YEAR: 2006-2007**

<b>Name</b>	<b>Project Topic</b>
1. Mr. Paragkumar K. Patel	<i>Implementation of artificial neural network in pharmacy.</i>
2. Mr. Maulikkumar K. Prajapati	<i>Nanochemistry: The modern tool for medicinal chemistry research.</i>
3. Mr. Rajeshkumar D. Patel	<i>Application of biomarkers in pharmaceutical science.</i>

**YEAR: 2007-2008**

<b>Name</b>	<b>Project Topic</b>
1. Mr. Parth K. Patel	<i>Drug latention in pharmacotherapeutics.</i>
2. Mr. Hiren R. Patel	<i>Green chemistry approach in chemical sciences.</i>

**YEAR: 2008-2009**

<b>Name</b>	<b>Project Topic</b>
1. Mr. Vikram V. Patel	<i>Implementation of cheminformatics and bioinformatics in pharmaceutical sciences.</i>

**YEAR: 2009-2010**

<b>Name</b>	<b>Project Topic</b>
1. Mr. Kiran M. Patel	<i>Implementation of supramolecular chemistry in medicinal chemistry.</i>

**YEAR: 2010-2011**

<b>Name</b>	<b>Project Topic</b>
1. Miss Urviben Y. Patel	<i>Structure activity relationship studies of synthesised Schiff bases and Mannich bases of substituted 5-methyl-1,2-dihydro-3H-pyrazol-3-one derivatives having variable electronegative atoms for antioxidant screening.</i>

3. Senior supervisor of university examinations, college examination coordinator as well as **Paper Setter and Examiner** of Gujarat Technological University, Ahmedabad, Hemchandracharya North Gujarat University, Patan, Nirma University of Science and Technology, Ahmedabad, Gujarat University, Ahmedabad, Jai Narain Vyas University, Jodhpur, Veer Narmad South Gujarat University, Surat, M.S. University, Baroda and Annamalai University, Tamilnadu.

4. Approved as a **University Postgraduate Teacher** of **Pharmaceutical Chemistry** for **M.Pharm.** Degree from Hemchandracharya North Gujarat University/Gujarat Technological University on **27 July 2003**. Taking theoretical classes on Advances in Pharmaceutical Sciences (Quality Assurance Specialization) in first and second semester M.Pharm., Standard Techniques in Drug Analysis in third semester M.Pharm. (Quality Assurance Specialization), Organic Chemistry-I in first

semester, Organic Chemistry-II, Pharmaceutical Chemistry-I and Pharmaceutical Chemistry-II in second semester M.Pharm.(Pharmaceutical Chemistry Specialization).

The projects in the field of **Pharmaceutical Quality Assurance**, which have been guided to the students of M.Pharm. under my supervision are enlisted below:

**YEAR: 2005-2007**

Name	Project Topic
1. Mr. Dipesh A. Chaudhari	<i>Micro and macro analysis of water of North Gujarat.</i>
2. Mr. Ravikumar V. Modi	<i>Structure activity relationship studies of synthesized urea diamides on CNS depression and sleeping time potentiation effect.</i>
3. Mr. Amit M. Patel	<i>Differential scanning calorimetry with thermo gravimetric analysis.</i>

**YEAR: 2006-2008**

Name	Project Topic
1. Mr. Mehal K. Patel	<i>Method development of purification of chirality of indanone acetic acid and indanone by spectroscopy.</i>
2. Mr. Meghal V. Modi	<i>Method development for purity of synthesized asymmetric mixture having chiral carbon.</i>

**YEAR: 2009-2011**

Name	Project Topic
1. Mr. Ankit D. Patel	<i>Spectrophotometric and chromatographic method development and validation for estimation of pemetrexed disodium in bulk drug and pharmaceutical formulation &amp; stability indicating assay method of pemetrexed disodium.</i>

**YEAR: 2012-2014**

Name	Project Topic
1. Mr. Kamlesh R. Prajapati	<i>Degradation and kinetic study of clopidogrel.</i>
2. Mr. Sneha N. Patel	<i>Development and validation of stability indicating assay method for the estimation of cefpodoxime proxetil and dicloxacillin sodium in tablet dosage form.</i>

**YEAR: 2013-2015**

Name	Project Topic
1. Mr. Hardik H. Chaudhary	<i>Degradation study of avanafil and dapoxetine.</i>
2. Miss Khushbu S. Patel	<i>Degradation and kinetic study of tramadol.</i>
3. Miss Ameet K. Patel	<i>Kinetic study of dicloxacillin.</i>

**YEAR: 2014-2016**

Name	Project Topic
1. Miss Neha A. Bhatt	<i>Stability indicating assay method of deferasirox by chromatography.</i>

**YEAR: 2015-2017**

Name	Project Topic
1. Miss Jalpa G. Patel	<i>Study of in-vitro biotransformation of prodrugs of ester and amide linkages of ibuprofen, diclofenac sodium and paracetamol in acidic and alkaline medium.</i>

**YEAR: 2016-2018**

Name	Project Topic
1. Miss Shivani J. Patel	<i>Studies on analysis and stability of sultamicillin and its tablet formulation.</i>

The projects in the field of **Pharmaceutical Chemistry** Specialization, which have been allotted to the students of M.Pharm. under my supervision are enlisted below:

**YEAR: 2007-2009**

<b>Name</b>	<b>Project Topic</b>
1. Miss Nidhi J. Kapadia	Structure activity relationship studies of synthesized diamides on CNS depression and sleeping time potentiation effect.
2. Miss Ripal R. Chaudhari	Synthesis and antimicrobial screening of benzimidazole and imidazole derivatives.
3. Miss Bony R. Shah	Dipeptidyl peptidase-IV inhibitors: A promising new therapeutic approach for the management of type-2 diabetes.
4. Mr. Dhavalkumar M. Patel	Synthesis and antimicrobial screening by SAR studies of synthesized chalcone derivatives having heterocyclic rings.
5. Mr. Maulik K. Prajapati	Synthesis and SAR study of some new 2-imino-3-[carboxamido (substituted) phenyl]-5-arylidine-4-thiazolidinone as antimicrobial agents.

**YEAR: 2008-2010**

<b>Name</b>	<b>Project Topic</b>
1. Miss Avani H. Sheth	Synthesis and biological screening of picric acid and p-amino phenol derivatives substituted by PABA, p-amino benzene sulphonamide, ibuprofen, diclofenac for anti-microbial and anti-fungal activity.
2. Miss Yatri R. Shah	Schiff bases of piperidone derivatives as microbial growth inhibitors.
3. Mr. Parimal M. Prajapati	Synthesis and antimicrobial screening of piperidone derivatives with pyrazolone substituents.
4. Mr. Chetan S. Patel	HVAC system re-validation and qualification of various equipments.
5. Mr. Vijay K. Patel	Antimicrobial and antifungal screening of substituted indanone acetic acid derivatives.

**YEAR: 2009-2011**

<b>Name</b>	<b>Project Topic</b>
1. Miss Palakben K. Parikh	Synthesis and biological evaluation of some novel substituted 1,3,4-oxadiazole and pyrazole derivatives.
2. Miss Julee P. Soni	Synthesis and evaluation of some new substituted pyrazolone derivatives with imidazole, benzimidazole and benzotriazole moiety as bioactive agent.
3. Mr. Kaamil N. Modi	Structure activity relationship studies of substituted Mannich bases of pyrazolo[1,5-a][1,3,5]-triazine-2(6H)-one ring system with variable electronegative atoms(urea/thiourea/guanidine) for antimicrobial and antifungal activity.
4. Mr. Hiren M. Marvaniya	Synthesis and biological evaluations of some 3,4-dihydropyrimidin-2(1H)-one derivatives.

**YEAR: 2010-2012**

<b>Name</b>	<b>Project Topic</b>
1. Mr. Kiran M. Patel	Synthesis and microbiological evaluation of novel azetid-2-ones encompassing benzimidazole.
2. Mr. Jignesh B. Patel	Synthesis and biological evaluation of some novel substituted thiazolidine and pyrazolone derivatives.
3. Mr. Divyang H. Shah	Synthesis and biological evaluation of some 4,5-disubstituted-6-methyl-1,2,3,4-tetrahydropyrimidin-2(1H)-one derivatives.
4. Mr. Jimit S. Patel	Synthesis of novel benzotriazole derivatives as antimicrobial agents.
5. Miss Charoo S. Garg	Synthesis of novel substituted 3,4-dihydro quinoxaline derivatives as antimicrobial agents.
6. Mr. Shailesh P. Zala	Synthesis and biological evaluation of 2,4,5-triphenyl-1H-imidazole-1yl derivatives.
7. Miss Kinjal J. Brahmbhatt	Investigation of 8-substituted caffeine analogues as biologically active compounds.



**YEAR: 2011-2013**

Name	Project Topic
1. Mr. Viraj P. Jatakiya	Synthesis of N-substituted piperazine derivatives by higher greener solvents and its antimalarial activity. <b>(Funded by RSC Research Grant, UK)</b>
2. Mr. Pratik R. Chaudhary	Complexation: Effect of metal on microbiological activity of sulphonamide derivatives.
3. Miss Bhumi K. Prajapati	Design, synthesis and biological screening of some novel benzimidazole derivatives.
4. Mr. Vahan G. Prajapati	Synthesis and biological evaluation of some novel substituted coumarin and guanidine derivatives.
5. Mr. Niraj V. Patel	Synthesis of substituted 7-methyl-2,8-dihydropyrazolo-[1,5- $\alpha$ ][1,3,5]-triazine derivatives for anti-inflammatory and antimicrobial screening.
6. Mr. Bharat G. Chaudhary	Synthesis and biological evaluation of dihydropyridine as antihypertensive agents.
7. Miss Arpita R. Patel	Design, synthesis and biological evaluation of some pyrazole derivatives.

**YEAR: 2012-2014**

Name	Project Topic
1. Mr. Nadim M. R. Chhipa	Synthesis and anti-HIV activity of chicoric acid analogues. <b>(Funded by RSC Research Grant, UK)</b>
2. Miss Jinal J. Patel	Synthesis and biological screening of dihydropyrimidine substituted thiazolidinone derivatives.
3. Miss Deepa P. Patel	Synthesis and biological screening of pyridazine derivatives.

**5. EXAMINERSHIP DUTIES:****Hemchandracharya North Gujarat University, Patan**

Year	Course	Subject	Duty	Assignment
2002	B.Pharm. Third Year	Medicinal Chemistry-I	Theory & Practical	Examiner & Paper Setter
2003				
2004				
2005				
2006				
2007				
2008				
2009				
2010				
2011				
2012				
2005	B.Pharm. First Year	Pharmaceutical Chemistry-I	Theory & Practical	Examiner & Paper Setter
2005	B.Pharm. Second Year	Pharmaceutical Chemistry-II	Practical	Examiner
2007	B.Pharm. Fourth Year	Medicinal Chemistry-II	Practical	Examiner
2010	B.Pharm. Fourth Year	Medicinal Chemistry-II	Practical	Examiner
2006	M.Pharm. First Semester	Advances in Pharmaceutical Sciences-I	Theory	Examiner & Paper Setter
2007	M.Pharm. Second Semester	Advances in Pharmaceutical Sciences-II	Theory	Examiner & Paper Setter
2007	M.Pharm. First Semester	Organic Chemistry-I	Theory & Practical	Examiner & Paper Setter
2008	M.Pharm. First Semester	Organic Chemistry-I	Theory & Practical	Examiner & Paper Setter
2008	M.Pharm. Second Semester	Pharmaceutical Chemistry-II	Theory	Examiner & Paper Setter
2009	M.Pharm. Second Semester	Pharmaceutical Chemistry-I	Theory & Practical	Examiner & Paper Setter

**Jai Narain Vyas University, Jodhpur**

Year	Course	Subject	Duty	Assignment
2005	D.Pharm. Final Year	Pharmaceutical Chemistry-II	Practical	Examiner

**Gujarat University, Ahmedabad**

Year	Course	Subject	Duty	Assignment
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2006	B.Pharm. Second Year	Pharmaceutical Analysis-I	Practical	Examiner
2007	B.Pharm. Second Year	Organic Chemistry	Practical	Examiner
2008	B.Pharm. Second Year	Organic Chemistry	Practical	Examiner
2009	B.Pharm. Second Year	Organic Chemistry	Practical	Examiner
2009	B.Pharm. Fourth Year	Medicinal Chemistry	Practical	Examiner
2010	B.Pharm. Third Year	Medicinal Chemistry-II	Practical	Examiner

#### **Nirma University of Science & Technology, Ahmedabad**

Year	Course	Subject	Duty	Assignment
2006	B.Pharm. Third Year	Medicinal Chemistry-I	Theory	Examiner & Paper Setter
2010	B.Pharm. Eighth Semester	Medicinal Chemistry-IV	Theory & Practical	Examiner & Paper Setter
2010	B.Pharm. Seventh Semester	Medicinal Chemistry-III	Theory	Examiner & Paper Setter
2011	M.Pharm. Second Semester	Advances in Drug Discovery & Development	Theory	Examiner & Paper Setter
2011	M.Pharm. Third Semester	Molecular Modeling & Drug Designing	Theory	Paper Setter
2014	M.Pharm. Second Semester	Advanced Medicinal Chemistry & Molecular Modeling	Theory	Paper Setter
2014	M.Pharm. Second Semester	Advances in Drug Design & Discovery	Theory	Paper Setter

#### **Veer Narmad South Gujarat University, Surat**

Year	Course	Subject	Duty	Assignment
2006	B.Pharm. Fourth Year	Pharmaceutical Analysis-II	Theory & Practical	Examiner

#### **Annamalai University, Annamalainagar**

Year	Course	Subject	Duty	Assignment
2007	Ph.D. Degree (Pharmacy) Part-I	Methodology (Paper-I & Paper-II)	Theory	Examiner & Paper Setter
2008	Ph.D. Thesis	Pharmacy	Thesis	Examiner

#### **Gujarat Technological University, Ahmedabad**

Year	Course	Subject	Duty	Assignment
2009	B.Pharm. First Semester	Pharmaceutical Chemistry-I	Practical	Examiner
2010	B.Pharm. Fifth Semester	Pharmaceutical Chemistry-VII	Theory	Examiner
2011	B.Pharm. Third Semester	Pharmaceutical Chemistry-IV	Practical	Examiner
2011	B.Pharm. Sixth Semester	Pharmaceutical Chemistry-VIII	Theory & Practical	Examiner
2011	B.Pharm. Fourth Semester	Pharmaceutical Chemistry-VI	Practical	Examiner
2011	B.Pharm. Fifth Semester	Pharmaceutical Chemistry-VII	Practical	Examiner
2011	B.Pharm. Eighth Semester	Pharmaceutical Chemistry-X	Practical	Examiner
2011	B.Pharm. Seventh Semester	Pharmaceutical Chemistry-IX	Theory & Practical	Examiner
2012	B.Pharm. Sixth Semester	Pharmaceutical Chemistry-VIII	Theory & Practical	Examiner
2012	M.Pharm. Second Semester	Advances in Organic Chemistry-II	Theory	Paper Setter
2012	M.Pharm. Fourth Semester	Pharmaceutical Chemistry	Thesis	Examiner
2012	B.Pharm. Eighth Semester	Pharmaceutical Chemistry-X	Practical	Examiner
2012	B.Pharm. Seventh Semester	Pharmaceutical Chemistry-IX	Theory & Practical	Examiner
2012	M.Pharm. Third Semester	Advanced Medicinal Chemistry	Theory	Examiner
2012	B.Pharm. Third Semester	Pharmaceutical Chemistry-IV	Practical	Examiner
2012	M.Pharm. Second Semester	Advances in Organic Chemistry-II	Practical	Examiner
2012	B.Pharm. Sixth Semester	Pharmaceutical Chemistry-VIII	Theory	Paper Setter
2012	M.Pharm. Third Semester	Pharmaceutical Chemistry	Introduction of Dissertation Seminar	Examiner
2012	B.Pharm. Fifth Semester	Pharmaceutical Chemistry-VII	Practical	Examiner
2013	B.Pharm. Seventh Semester	Pharmaceutical Chemistry-IX	Theory & Practical	Examiner
2013	M.Pharm. First Semester	Modern Analytical Techniques	Practical	Examiner

2013	B.Pharm. Sixth Semester	Pharmaceutical Chemistry-VIII	Theory & Practical	Examiner
2013	M.Pharm. Fourth Semester	Final Dissertation	Thesis	Expert
2013	B.Pharm. Seventh Semester	Pharmaceutical Analysis-III	Practical	Examiner
2013	M.Pharm. Third Semester	Pharmaceutical Chemistry	Introduction of Dissertation Seminar	Examiner
2013	M.Pharm. First Semester	Biological Evaluation & Clinical Research	Practical	Examiner
2013	B.Pharm. Third Semester	Pharmaceutical Chemistry-IV	Practical	Examiner
2013	B.Pharm. Fifth Semester	Pharmaceutical Chemistry-VII	Practical	Examiner
2014	B.Pharm. Fifth Semester	Pharmaceutical Chemistry-VII	Practical	Examiner
2014	B.Pharm. Seventh Semester	Pharmaceutical Analysis-III	Practical	Examiner
2014	M.Pharm. First Semester	Biological Evaluation & Clinical Research	Practical	Examiner
2014	B.Pharm. Seventh Semester	Pharmaceutical Chemistry-IX	Practical	Examiner
2014	M.Pharm. Fourth Semester	Mid Sem Review	Thesis	Expert
2014	B.Pharm. First Semester	Pharmaceutical Analysis-I	Practical	Examiner
2014	M.Pharm. Second Semester	Advances in Organic Chemistry-II	Theory	Paper Setter
2014	B.Pharm. Sixth Semester	Pharmaceutical Chemistry-VIII	Theory & Practical	Examiner
2014	B.Pharm. Second Semester	Pharmaceutical Chemistry-II	Practical	Examiner
2014	M.Pharm. Third Semester	Pharmaceutical Chemistry	Introduction of Dissertation Seminar	Examiner
2014	M.Pharm. First Semester	Modern Analytical Techniques	Practical	Examiner
2014	B.Pharm. Third Semester	Pharmaceutical Chemistry-IV	Practical	Examiner
2015	B.Pharm. Fourth Semester	Pharmaceutical Chemistry-VI	Practical	Examiner
2015	B.Pharm. First Semester	Pharmaceutical Chemistry-I	Practical	Examiner
2015	B.Pharm. Second Semester	Pharmaceutical Chemistry-II	Practical	Examiner
2015	M.Pharm. Fourth Semester	Mid Sem Review	Thesis	Expert
2015	B.Pharm. Fifth Semester	Pharmaceutical Chemistry-VII	Practical	Examiner
2015	B.Pharm. Third Semester	Pharmaceutical Chemistry-IV	Practical	Examiner
2015	M.Pharm. Third Semester	Pharmaceutical Chemistry	Introduction of Dissertation Seminar	Examiner
2015	M.Pharm. First Semester	Biological Evaluation & Clinical Research	Practical	Examiner
2015	B.Pharm. Seventh Semester	Pharmaceutical Chemistry-IX	Theory	Examiner
2015	B.Pharm. Seventh Semester	Disaster Management	Theory	Paper Setter
2015	M.Pharm. First Semester	Advances in Organic Chemistry-I	Theory	Paper Setter
2015	M.Pharm. First Semester	Modern Analytical Techniques	Practical	Examiner
2015	M.Pharm. Fourth Semester	Final Dissertation	Thesis	Expert
2016	B.Pharm. Fifth Semester	Pharmaceutical Chemistry-VII	Theory	Examiner
2016	B.Pharm. Sixth Semester	Pharmaceutical Chemistry-VIII	Practical	Examiner
2016	B.Pharm. Eighth Semester	Pharmaceutical Chemistry-X	Theory & Practical	Examiner
2016	B.Pharm. Fifth Semester	Pharmaceutical Chemistry-VII	Theory & Practical	Examiner
2016	B.Pharm. Third Semester	Pharmaceutical Chemistry-IV	Theory & Practical	Examiner
2016	M.Pharm. Third Semester	Advanced Medicinal Chemistry	Theory	Paper Setter & Examiner
2016	M.Pharm. Fourth Semester	Final Dissertation	Thesis	Expert
2016	M.Pharm. First Semester	Modern Analytical Techniques	Practical	Examiner
2016	M.Pharm. Second Semester	Modern Analytical Techniques	Practical	Examiner
2016	B.Pharm. First Semester	Pharmaceutical Analysis-I	Practical	Examiner
2016	B.Pharm. Second Semester	Pharmaceutical Analysis-II	Practical	Examiner
2016	B.Pharm. Second Semester	Pharmaceutical Chemistry-II	Practical	Examiner
2016	B.Pharm. Fourth Semester	Pharmaceutical Chemistry-V	Practical	Examiner

2016	M.Pharm. Third Semester	Validation & Product Development	Practical	Examiner
2016	B.Pharm. Fourth Semester	Pharmaceutical Chemistry-VI	Theory	Paper Setter
2017	B.Pharm. First Semester	Pharmaceutical Chemistry-I	Practical	Examiner
2017	M.Pharm. Fourth Semester	Mid Semester Examination	Thesis	Expert
2017	B.Pharm. First Semester	Pharmaceutical Chemistry-I	Theory	Examiner
2017	B.Pharm. Fourth Semester	Pharmaceutical Chemistry-VI	Theory	Examiner
2017	B.Pharm. Eighth Semester	Pharmaceutical Chemistry-X	Theory	Examiner
2017	B.Pharm. Second Semester	Pharmaceutical Chemistry-II	Theory	Examiner
2017	M.Pharm. Third Semester	Advanced Medicinal Chemistry	Theory	Paper Setter
2017	M.Pharm. First Semester	Advanced Organic Chemistry-I	Theory	Paper Setter
2017	M.Pharm. First Semester	Advanced Medicinal Chemistry-I	Theory	Paper Setter
2017	B.Pharm. Seventh Semester	Pharmaceutical Chemistry-IX	Practical	Examiner
2017	B.Pharm. Fifth Semester	Pharmaceutical Analysis-III	Practical	Examiner
2017	B.Pharm. Third Semester	Pharmaceutical Chemistry-IV	Practical	Examiner
2018	B.Pharm. Fourth Semester	Pharmaceutical Chemistry-VI	Theory	Examiner
2018	B.Pharm. Fifth Semester	Pharmaceutical Chemistry-VII	Theory	Examiner
2018	B.Pharm. Seventh Semester	Pharmaceutical Chemistry-IX	Theory	Examiner
2018	B.Pharm. Sixth Semester	Pharmaceutical Chemistry-VIII	Practical	Examiner
2018	M.Pharm. Fourth Semester	Mid Semester Examination	Thesis	Expert
2018	B.Pharm. Third Semester	Pharmaceutical Chemistry-IV	Theory	Paper Setter
2018	B.Pharm. Eighth Semester	Pharmaceutical Chemistry – X	Theory	Paper Setter
2018	B.Pharm. Sixth Semester	Pharmaceutical Chemistry – VIII	Theory	Paper Setter
2018	M.Pharm. First Semester	Advanced Organic Chemistry-I	Theory	Paper Setter
2018	M.Pharm. First Semester	Advanced Medicinal Chemistry	Theory	Paper Setter
2019	M.Pharm. First Semester	Advanced Organic Chemistry-I	Theory	Paper Setter
2019	M.Pharm. First Semester	Advanced Medicinal Chemistry	Theory	Paper Setter
2019	M.Pharm. Fourth Semester	Dissertation Phase-II	Thesis	Expert

#### Ganpat University, Kherva

Year	Course	Subject	Duty	Assignment
2009	M.Pharm. Third Semester	APS Seminar (Pharmaceutical Chemistry)	Theory	Examiner
2011	B.Pharm. Fourth Year	Medicinal Chemistry-II	Theory & Practical	Examiner & Paper Setter
2012	M.Pharm. Second Semester	Advances in Organic Chemistry-II	Theory & Practical	Examiner
2013	Doctoral & PG students	Pharmaceutical Chemistry	Research Week	Expert

#### Sumandeep Vidyapeeth Deemed University, Vadodara, Gujarat

Year	Course	Subject	Duty	Assignment
2013	M.Pharm. Examination–PH 501	Modern Pharmaceutical Analysis Techniques	Theory	Paper Setter
2014	M.Pharm. Examination–PH 501	Modern Pharmaceutical Analysis Techniques	Theory & Practical	Examiner
2014	Ph.D. Thesis	Pharmaceutical Chemistry	Thesis	Examiner
2015	Ph.D. Thesis	Pharmaceutical Chemistry	Thesis	Examiner
2016	M.Pharm. Examination–PH 501	Modern Pharmaceutical Analysis Techniques	Theory	Paper Setter

#### Jadavpur University, Calcutta

Year	Course	Subject	Duty	Assignment
2009	Ph.D. Thesis	Pharmaceutical Chemistry	Thesis	Internal Examiner
2010	Ph.D. Thesis	Pharmaceutical Chemistry	Thesis	Viva Expert

#### Maharaja Sayajirao University of Baroda, Vadodara

Year	Course	Subject	Duty	Assignment
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2010	B.Pharm. Fourth Year	Medicinal Chemistry-IV	Theory & Practical	Examiner
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### Sankalchand Patel University, Visnagar

Year	Course	Subject	Duty	Assignment
2016	M.Pharm. First Semester	Biological Evaluations & Clinical Research	Theory & Practical	Paper Setter & Examiner
2017	M.Pharm. First Semester	Biological Evaluations & Clinical Research	Theory & Practical	Paper Setter & Examiner
2017	M.Pharm. Third Semester	Validation and Product Development	Theory & Practical	Paper Setter & Examiner
2018	M.Pharm. Fourth Semester	Dissertation	Thesis	Examiner
2018	M.Pharm. First Semester	Biological Evaluations & Clinical Research	Theory & Practical	Paper Setter & Examiner
2018	M.Pharm. Third Semester	Validation and Product Development	Theory & Practical	Paper Setter & Examiner

Question paper setting for the relevant subject is done by myself by consulting with the co-examiner. I have to submit two sets of each question paper for Section-I & Section-II with full coverage of entire theoretical syllabus according to the question pattern of the University confidentially in a sealed envelope to the chairman personally or by recorded delivery.

### 6. SPECIAL ACTIVITIES:

- Appointed as a **Member** of Board of Studies of Hemchandracharya North Gujarat University, Patan for three years (2008-2011).
- Received **£450** as a bursary from 7<sup>th</sup> International Symposium on Biomolecular Chemistry, UK for registration, accommodation & food for attending and presenting poster on *Repository form of antibacterial agent with NSAID shows delayed action over bactericidal as well as inflammation rather than the parent moiety* at Octagon Center, University of Sheffield, United Kingdom: Sponsored by Royal Society of Chemistry & International Union of Pure and Applied Chemistry, **27 June-1 July 2004**.
- Worked as a **Study Director** with **Dr. Xudong Yuan** (Study Director) and **Mr. Rutesh Vyas** (Scientist) for the joint project *Assessment of anti-obesity and hypolipidemic activity of synthesized compounds in diet induced obesity and hypercholesterolemia mice model after oral administration* at Department of Pharmaceutical Science, AMS College of Pharmacy and Health Science, Long Island University, Brooklyn, New York, USA.
- Played the role of referee for my M.Pharm. students for getting admission into the AMRSC category of the Royal Society of Chemistry, UK: **Mr. Vishal J. Patel (2006), Mr. Amitkumar K. Joshi (2007), Mr. Dipesh A. Chaudhary (2007), Mr. Mehul K. Patel (2008), Mr. Meghal V. Modi (2008), Mr. Krishna A. Patel (2008), Mr. Maulik K. Prajapati (2008), Mr. Dhavalkumar M. Patel (2008), Avani H. Sheth (2010), Yatri R. Shah (2010), Parimal M. Prajapati (2010)**.
- Appointed as a judge of the essay competition for the topic *Self medication-how safe? Ask your pharmacist*: At the National Pharmacy Week, organized by the Indian Pharmaceutical Association, Mehsana branch, **19-25 November 2006**.
- Received financial assistance of **Rs.50800/-** under travel grant scheme (air-fare, registration & per-diem) for attending 10<sup>th</sup> Annual Florida Heterocyclic and Synthetic Conference, USA: **08-11 March 2009** from (AICTE) All India Council for Technical Education, New Delhi in the year **2008**.
- Awarded **£2000** as research grant from the Royal Society of Chemistry, UK for the research work *Synthesis, characterization and Pharmaceutical screening of quinazoline coumarin fused ring heterocyclic derivatives* in the year **2009**.
- Biography included in **Marquis Who's Who in the World 2011** (28<sup>th</sup> Edition) from New Providence, New Jersey, USA. Registered VIP# 35153364.
- Name included in the list of **Leading Educators of the World-2011** by the International Biographical Center, Cambridge, United Kingdom.
- Name included in the list of **Top 100 Educators-2011** by the International Biographical Center, Cambridge, United Kingdom.
- Received **Rs.1400000/-** as a Research Grant under Modernization and Removal of Obsolescence Scheme (MODROBS) from AICTE, New Delhi for the year **2011-12**.

- Appointed as a member of **Editorial Advisory Board** of International Journal of Pharmaceutical Sciences in the year **2009** (<http://www.ijps.in/editorial.html>).
- Appointed as a member of **Editorial Advisory Board** of International Journal of Drug Development & Research in the year **2009** (<http://www.ijddr.in/eb.html>).
- Appointed as a member of **Editorial Advisory Board** of International Journal of Pharmaceutical Research in the year **2010** (<http://www.ijpronline.com/EditorialBoard.aspx>).
- Appointed as a member of **Editorial Advisory Board** of Journal of Chemical and Pharmaceutical Research in the year **2010** (<http://jocpr.com/editorial-board.html>).
- Appointed as a member of **Editorial Advisory Board** of A and V Publications in the year **2010** (<http://www.anvpublication.org/editor.htm>).
- Appointed as a member of **Editorial Advisory Board** of International Journal of Pharmaceutical and Applied Sciences in the year **2010** (<http://www.ijpasonline.com/editorial-board>).
- Appointed as a member of **Editorial Advisory Board** of International Journal of Pharmacy and Technology in the year **2010** (<http://www.ijptonline.com/editorial-board>).
- Appointed as a member of **Editorial Advisory Board** of International Journals of Pharma Informa in the year **2010** (<http://www.ijpijournals.com/editors.html>).
- Appointed as a member of **Editorial Advisory Board** of International Journal of Research in Pharmaceutical and Biomedical Sciences in the year **2010** (<http://www.ijrpbsonline.com/editorial.html>).
- Appointed as a member of **Editorial Advisory Board** of International Journal of Pharmaceutical Research and Technology in the year **2010** (<http://www.serialspublications.com/journals1.asp?jid=592&dtype=2&jtype=>).
- Appointed as a member of **Editorial Advisory Board** of International Journal of Pharmacology and Technology in the year **2010** (<http://www.serialspublications.com/journals1.asp?jid=589&dtype=2&jtype=>).
- Appointed as a member of **Editorial Advisory Board** of Asian Journal of Research in Chemistry in the year **2011** (<http://www.ajrconline.org/editor.htm>).
- Appointed as a member of **Editorial Advisory Board** of ARKAT, USA, Inc in the year **2011** (<http://www.arkat-usa.org/arkivoc-journal/members-editorial-board-of-referees/>).
- Appointed as a member of **Associate Editorial Board** of Internationale Pharmaceutica Scientia in the year **2011** (<http://www.ipharmsciencia.in/eb.html>).
- Appointed as a member of **Editorial Advisory Board** of International Journal of Comprehensive Pharmacy in the year **2011** ([http://www.pharmacie-globale.info/index.php?option=com\\_content&view=article&id=48&Itemid=2](http://www.pharmacie-globale.info/index.php?option=com_content&view=article&id=48&Itemid=2)).
- Appointed as a member of **Editorial Advisory Board** of International Journal of Drug Targets in the year **2011** (<http://www.serialspublications.com/journals1.asp?jid=253&dtype=2&jtype=>).
- Appointed as a member of **Editorial Advisory Board** of Journal of Applied Pharmaceutical Science in the year **2011** (<http://www.japsonline.com/japs-editorial-board.php>).
- Appointed as a member of **Editorial Advisory Board** of International Journal of Advance Pharmaceutical and Biological Sciences in the year **2011** (<http://www.ijapbs.in/eb.html>).
- Appointed as a member of **Editorial Advisory Board** of International Journal for Pharmaceutical Research Scholars in the year **2012** (<http://www.ijprs.com/index.php?p=editor&indian>).
- Appointed as a member of **Editorial Advisory Board** of Pharma Science Monitor in the year **2012** (<http://www.pharmasm.com/editorialboard.php?p=e>).
- Appointed as an **Editorial Board Member** of World Journal of Pharmaceutical Sciences in the year **2013** ([http://www.wjpsonline.org/editorial\\_board.php](http://www.wjpsonline.org/editorial_board.php)).
- Appointed as an **Editorial Board Member** of Tyagi Pharmacy Association in the year **2013** (<http://www.tpa.net.in/Editor Board.aspx>).
- Appointed as an **Associate Editor** of Journal of Drug Discovery and Therapeutics in the year **2013** (<http://www.jddt.in/jddt%20editorial.pdf>).
- Appointed as an **Editorial Board Member** of International Journal of Scientific and Research Publications in the year **2013** (<http://www.ijsrp.org/editorial-board.html>).

- Appointed as an **Editorial Board Member** of **British Biomedical Bulletin** in the year **2013** (<http://bbbulletin.org/index.php/BBB/about/displayMembership/1>).
- Appointed as an **Editorial Advisor** of **Bioinfo Publications** in the year **2013** (<http://www.bioinfopublication.org/journal.php?opt=azjou&jouid=BPJ0000278&detail=editorial>).
- Appointed as an **Editorial Expert** of **Asian Pharma Press** in the year **2013** (<http://www.asianpharmaonline.org/editorial.aspx>).
- Appointed as an **Editorial Advisor** of **International Research Journal for Inventions in Pharmaceutical Sciences** in the year **2013** (<http://www.irjips.com/editorial-board/>).
- Appointed as an **Editorial Member** of **PharmaTutor Magazine** in the year **2013** (<http://magazine.pharmatutor.org/content/editorial-board>).
- Appointed as an **Editorial Member** of **Life Sciences Leaflets** in the year **2013** (<http://lifesciencesleaflets.ning.com/>).
- Appointed as an **Editorial Board Member** of **World Journal of Pharmacy and Pharmaceutical Sciences** in the year **2013** ([http://www.wjpps.com/editorials\\_board.php](http://www.wjpps.com/editorials_board.php)).
- Appointed as an **Editorial Board Member** of **International Journal of Pharmaceutical Research and Bio-Science** in the year **2014** (<http://www.ijprbs.com/editorialboard.php>).
- Appointed as an **Editorial Board Member** of **Journal of Bioanalysis & Biomedicine** in the year **2015** (<http://omicsonline.org/editorialboard-bioanalysis-biomedicine-open-access.php>).
- Appointed as an **Editorial Board Member** of **World Journal of Biology and Medical Sciences** in the year **2015** ([http://sasiournals.com/World\\_Journal/editorial\\_board.html](http://sasiournals.com/World_Journal/editorial_board.html)).
- Appointed as an **Editorial Board Member** of **International Journal of Pharmaceutical Research and Allied Sciences** in the year **2015** (<http://www.ijpras.com/editorialboard.php>).
- Appointed as an **Editorial Board Member** of **European Journal of Pharmaceutical and Medical Research** in the year **2015** ([http://ejpmr.com/home/editorials\\_board](http://ejpmr.com/home/editorials_board)).
- Appointed as an **Editorial Board Member** of **World Journal of Pharmaceutical Research** in the year **2015** ([http://www.wjpr.net/dashboard/editorials\\_board](http://www.wjpr.net/dashboard/editorials_board)).
- Appointed as an **Editorial Board Member** of **Advances in Biomedicine and Pharmacy** in the year **2015** (<http://thescientificpub.com/EditorialBoard>).
- Appointed as an **Editorial Board Member** of **American Journal of Advanced Drug Delivery** in the year **2015** (<http://www.imedpub.com/advanced-drug-delivery/editors.php>).
- Appointed as an **Editorial Board Member** of **European Journal of Biomedical and Pharmaceutical Sciences** in the year **2016** ([http://www.ejbps.com/ejbps/editorials\\_board](http://www.ejbps.com/ejbps/editorials_board)).
- Appointed as an **Editorial Board Member** of **International Educational Scientific Research Journal** in the year **2016** (<http://iesrj.com/board.php>).
- Appointed as a **Research & Development Advisor** in **Green Cross Remedies** in **2016**. (<http://www.greencrossindia.com/leadership.html>)
- Appointed as an **External Subject Expert** of **Sankalchand Patel University, Visnagar** for **PhD program in pharmacy** in **2018**.
- Appointed as a **Subject Expert** of **Doctoral Progress Committee (DPC)** of **Gujarat Technological University, Ahmedabad** for **PhD program in pharmacy** in **2018**.

### **SYMPOSIUM:**

1. Participated in the **53<sup>rd</sup> Indian Pharmaceutical Congress** held at **Indian Agricultural Research Institute, CSIR Campus, New Delhi** on **21-23 December 2001**.

2. Participated in the **5<sup>th</sup> Annual Bioscience Society Conference**: Organized by Hemchandracharya North Gujarat University held at Biology Department of Shri U.P. Arts, Smt. M.G. Panchal Science and Shri V.L. Shah Commerce College, Pilvai, Gujarat on **21 January 2006**.
3. Worked as a **Co-ordinator** in *One-Day Symposium on Clinical Trials for New Drug Evaluation* and Book Release of *Pharsight 2006* held at Shri Sarvajanic Pharmacy College, Mehsana, Gujarat on **28 January 2006**.
4. Participated in the one day AICTE sponsored **Symposium on Accreditation Awareness Programme** held at Mudra Institute of Communications, Ahmedabad Campus, Ahmedabad, Gujarat on **10 March 2007**.
5. Participated in the **6<sup>th</sup> Annual Convention of Bioscience Society**: Organized by Hemchandracharya North Gujarat University held at Shree S.K. Patel College of Pharmaceutical Education and Research, Ganpat University, Kherva, Gujarat on **1 April 2007**.
6. Participated in the one day **National Seminar on Nanotechnology and its Current Trends** held at Chemical Engineering Department, Institute of Technology, Nirma University of Science and Technology, Ahmedabad, Gujarat on **26 July 2007**.
7. Participated in the **Symposium on Scientific Writing: Skill and Writing** and **Panel Discussion on Educational Sensex in Pharmacy: How to Maintain?** held at Shri B. M. Shah College of Pharmaceutical Education & Research, College Campus, Modasa, Gujarat on **5 August 2007** of **2<sup>nd</sup> Annual Gujarat State Convention of Association of Pharmaceutical Teachers of India**.
8. Participated in the one day **Symposium on Emerging Trends in Clinical Trials and Clinical Research: Role of Clinicians and Pharmacologists**: Sponsored by L M College of Pharmacy, Ahmedabad and National Academy of Medical Sciences (India) held at NHL Municipal Medical College, V S Hospital Auditorium, Ahmedabad, Gujarat on **13 October 2007**.
9. Participated in the two days **National Seminar**: Sponsored by AICTE on *Advances in topical drug delivery* held at S.K. Patel College of Pharmaceutical Education and Research, Ganpat University, Kherva, Gujarat on **1-2 February 2008**.
10. Participated in the one day **Seminar on Raman & FTIR Spectroscopy & its application**: Sponsored by Jasco Corporation, Japan held at Ahmedabad Management Association Complex, ATIRA, Ahmedabad, Gujarat on **4 February 2008**.
11. Participated in the one day **22<sup>nd</sup> Gujarat Science Congress**; Sponsored by: Gujarat Council of Science and Technology held at Department of Life Sciences, Bhavnagar University, Bhavnagar, Gujarat on **9 March 2008**.
12. Participated in the two days **National Conference: Chemozale 2008** held at Chemical Engineering Department, Institute of Technology, Nirma University of Science and Technology, Ahmedabad, Gujarat on **14-15 March 2008**.
13. Participated in two days **National Seminar on Pharma Vision 2020**, Sponsored by Akhil Bharatiya Vidyarthi Parishad held at B.S. Patel Pharmacy College, Saffrony Institute of Pharmacy, Mehsana, Gujarat on **6-7 September 2008**.
14. Participated in one day **State Level Conference, Current Trends in Drug Discovery and its Application**: Sponsored by: Gujarat Council on Science and Technology, Gandhinagar held at Department of Chemistry, Sheth M.N. Science College, Patan, Gujarat on **28 September 2008**.
15. Participated as a judge in the two days **National Conference: Pharma Zephyr Conference** held at Saraswati Institute of Pharmaceutical Sciences, Dhanap, Gandhinagar-382355, Gujarat on **18-19 October 2008**.
16. Participated in the one day **SSPC Youth Festival 2009 (State Level Inter Pharmacy College Cultural Events)** held at Shri Sarvajanic Pharmacy College, Mehsana, Gujarat on **2 January 2009**.
17. Participated in two days **Paper Presentation Competition**; Sponsored by: Gujarat Council of Science and Technology held at Shri Sarvajanic Pharmacy College, Mehsana, Gujarat on **9-10 January 2009**.
18. Participated in one day **National Seminar on Nanotechnology Nanoways 09** held at Chemical Engineering Department, Institute of Technology, Nirma University of Science and Technology, Ahmedabad, Gujarat on **19 January 2009**.
19. Participated in two days **National Seminar on Impurity profiling and bioanalytical method development**: Sponsored by: AICTE held at S.K. Patel College of Pharmaceutical Education & Research; Ganpat University, Kherva, Gujarat on **13-14 February 2009**.
20. Participated in two days **Seminar on Recent advances in drug design: Tools for new drug discovery** held at L.M. College of Pharmacy, Ahmedabad, Gujarat on **20-21 February 2009**.
21. Participated in one day **National Seminar on Discovery and Development of New Chemical Entity and Product Development-Expanding Horizons in Indian Drug Industry**: sponsored by ICMR held at Shri Sarvajanic Pharmacy College, Mehsana, Gujarat on **28 February 2009**.
22. Participated in one day **National Seminar on Frontiers in nanotechnology: a pharmaceutical perspective**; held at Institute of Pharmacy, Nirma University of Science and Technology, Ahmedabad, Gujarat on **20 March 2009**.



23. Participated in one day **National Conference** on *Innovations in Pharmaceutical Research* held at Baroda College of Pharmacy, Vadodara, Gujarat on **8-9 September 2009**.
24. Participated in the one day **Seminar**: Sponsored by Indian Council of Medical Research, New Delhi on *Biostatistics in Pharmaceutical Sciences* held at K.B. Institute of Pharmaceutical Education and Research, Gandhinagar, Gujarat on **26 September 2009**.
25. Participated in one day **National Seminar** on *Alternative synthetic strategies for drugs and drug intermediates* held at Institute of Pharmacy, Nirma University of Science and Technology, Ahmedabad, Gujarat on **13 November 2009**.
26. Participated in three days **National Conference** on **61<sup>st</sup> Indian Pharmaceutical Congress** Organized by: Indian Pharmaceutical Association held at Nirma University of Science and Technology on **11-13 December 2009**.
27. Participated in one day **State Level Seminar** on *Advances in Chemical Sciences* held at Municipal Arts & Urban Bank Science College, Mehsana, Gujarat on **31 January 2010**.
28. Participated in one day CSIR sponsored **National Seminar** on *Regulatory and Industrial Perspective on GMP and GLP in India vis a vis Developed Countries* held at Shri Sarvajani Pharmacy College, Mehsana, Gujarat on **11 February 2010**.
29. Participated in one day **Nanosys10: 3<sup>rd</sup> National Seminar** on *Nanotechnology: Today & Tomorrow* held at Nirma University of Science and Technology on **8 March 2010**.
30. Participated in AICTE Sponsored two days **National Seminar** on *Stability Issues In Pharmaceuticals* held at S.K. Patel College of Pharmaceutical Education and Research, Ganpat University, Kherva, North Gujarat on **16-17 April 2010**.
31. Participated in one day **National Seminar** on *Recent advances in drug discovery* held at Institute of Pharmacy, Nirma University of Science and Technology, Ahmedabad, Gujarat on **9 September 2010**.
32. Participated in two days AICTE sponsored **National Seminar** on *Advances in drug delivery systems: A potential approach to achieve superlative therapeutic effects* held at Nootan Pharmacy College, Visnagar, Gujarat on **9-10 September 2011**.
33. Participated in one day AICTE sponsored **State Level Seminar** on *Pharmaceutical stress testing* jointly with Industry Institute Partnership Cell held at Shri Sarvajani Pharmacy College, Mehsana, Gujarat on **24 March 2012**.
34. Participated in three days Nirma Institute of Pharmacy **International Conference: NIPiCON-2013** held at Nirma University, Ahmedabad, Gujarat on **18-20 January 2013**.
35. Participated in one day **Seminar** on *Upgrading Pharmaceutical Quality Control Laboratory to Enhance Quality Standards*; AICTE sponsored Industry & Institute Partnership Cell of Shri Sarvajani Pharmacy College and IDMA-GSB held at Ahmedabad Management Association, Ahmedabad, Gujarat on **18 January 2013**.
36. Participated in two days **National Seminar** on *Green Chemistry*; Organized by Institute of Research and Development, GFSU in association with Gujarat Environment Management Institute, Gandhinagar, held at Cambay Grand, Ahmedabad, Gujarat on **23-24 September 2013**.
37. Participated in two days **State Level Seminar** *Pharmavision*: Organized by Akhil Bharatiya Vidyarthi Parishad held at Shri Sarvajani Pharmacy College, Mehsana, Gujarat on **28-29 September 2013**.
38. Participated in AICTE sponsored one day **Seminar** on *Smart Drug Delivery System* held at Shri Sarvajani Pharmacy College, Mehsana, Gujarat on **4 October 2013**.
39. Participated in Indian Pharmaceutical Association sponsored three days **National Conference** on **65<sup>th</sup> Indian Pharmaceutical Congress** held at Amity University, NOIDA, New Delhi on **20-22 December 2013**.
40. Participated in three days 2<sup>nd</sup> Nirma Institute of Pharmacy **International Conference: NIPiCON-2014** held at Nirma University, Ahmedabad, Gujarat on **23-25 January 2014**.
41. Participated in AICTE sponsored one day **Interactive Seminar** on *Career Prospects in Pharmaceutical and Allied Industries and Entrepreneurship* held at Shri Sarvajani Pharmacy College, Mehsana, Gujarat on **1 February 2014**.
42. Participated in one day **Seminar** on *NGS Technologies and It's Application* held at B. V. Patel Pharmaceutical Education & Research Development (PERD) Centre, Ahmedabad, Gujarat on **19 September 2014**.
43. Participated in one day GUJCOST Sponsored **National Seminar** on *Innovation in Drug Delivery: from Materials to Devices* held at Nootan Pharmacy College, Visnagar, Gujarat on **30 December 2014**.
44. Participated in two days Science and Engineering Research Board Sponsored **National Seminar** on *Innovation in Drug Delivery-Getting Drugs to Their Targets in the Body* held at Nootan Pharmacy College, Visnagar, Gujarat on **29-30 December 2014**.
45. Participated in three days 3<sup>rd</sup> Nirma Institute of Pharmacy **International Conference: NIPiCON-2016** held at Nirma University, Ahmedabad, Gujarat on **21-23 January 2016**.
46. Participated in one day event on SSPC Reunion and State Level Seminar and Quality Management Systems; Organized by AICTE sponsored Industry Institute Partnership Cell (IIPC) of Shri Sarvajani Pharmacy College, Mehsana and

Indian Drugs Manufacturers' Associations–Gujarat State Board (IDMA-GSB) at B. V. Patel Pharmaceutical & Research Centre, PERD CENTRE, Sarkhej-Gandhinagar Highway, Ahmedabad, Gujarat on **7 August 2016**.

### **WORKSHOP:**

1. Participated in one day **Workshop**: Sponsored by North Gujarat University on *Paper setting techniques & evaluation systems for pharmacy teachers* held at S.K. Patel College of Pharmaceutical Education & Research; Ganpat Vidyanagar, Kherva, Gujarat on **27 July 2003**.
2. Participated in the two days **Workshop**: Sponsored by the Department of Science and Technology, New Delhi on *Green Chemistry* held at Nirma University of Science and Technology, Ahmedabad, Gujarat on **25-26 November 2005**.
3. Participated in the **National Workshop**: Sponsored by Indian Council for Medical Research, New Delhi on *Good Clinical Practice for Pharmacologist* held at Shri Sarvajani Pharmacy College, Mehsana, Gujarat on **28 April 2007**.
4. Participated in the one day **Workshop**: Sponsored by GUJCOST, Gandhinagar, Gujarat on *Patent Awareness Workshop* held at Shri Sarvajani Pharmacy College, Mehsana, Gujarat on **14 July 2007**.
5. Participated in the one day **National Workshop**: Sponsored by Indian Council of Medical Research, New Delhi on *Clinical research and regulatory affairs* held at K.B. Institute of Pharmaceutical Education and Research, Gandhinagar, Gujarat on **26 April 2008**.
6. Participated in the one day **National Workshop**: Sponsored by Gujarat Council on Science and Technology, Gandhinagar on *Patent Awareness Workshop* held at K.B. Institute of Pharmaceutical Education and Research, Gandhinagar, Gujarat on **11 October 2008**.
7. Participated in two days **Workshop** on *Bio+Chemi+Pharma Informatics* held at K.B. Institute of Pharmaceutical Education and Research, Gandhinagar, Gujarat on **20-21 February 2010**.
8. Participated in two days **GUJCOST** sponsored **Workshop** on *Modern Instrumentation Techniques* held at Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat on **20-21 January 2011**.
9. Participated in Gujarat Technological University organized two days **Workshop** on *Research Methodology for GTU Ph.D. Supervisor* held at Ahmedabad Management Association, Ahmedabad, Gujarat on **9-10 June 2011**.
10. Participated in Gujarat Technological University organized two days **Workshop** on *Patenting in Pharmaceuticals for Pharmacy Faculties of GTU* held at Ahmedabad Management Association, Ahmedabad, Gujarat on **3-4 September 2011**.
11. Participated in Gujarat Technological University organized one day **Workshop** on *Filing of provisional application* held at L.J. Institute of Engineering and Technology, Ahmedabad, Gujarat on **29 June 2012**.
12. Participated in CSIR Sponsored one day **Workshop** on *Hands on training on software related to Computer Aided Drug Design* held at Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat on **21-22 January 2013**.
13. Participated in AICTE, New Delhi Sponsored one day **Workshop** on *Patenting in pharmaceuticals* held at Shri Sarvajani Pharmacy College, Mehsana, Gujarat on **6 July 2013**.
14. Participated in PERD Organized two days **Workshop** on *Impurity Profiling and its applications* held at Shri B. V. Patel Education Trust & B. V. Patel Pharmaceutical Education & Research Development (PERD) Centre, Ahmedabad, Gujarat on **21-22 September 2013**.
15. Participated in GUJCOST sponsored one day **Workshop** on *Contemporary Tools in Pharmaceutical Research* held at Shri Sarvajani Pharmacy College, Mehsana, Gujarat on **5 October 2013**.
16. Participated in GUJCOST sponsored one day **Workshop** on *Process of Explicit and Practice Research Paper Writing* held at Nootan Pharmacy College, Visnagar, Gujarat on **21 February 2014**.
17. Participated in APTI sponsored three days **Workshop** on *Basics of stereochemistry* held at Shri Sarvajani Pharmacy College, Mehsana, Gujarat on **24-26 July 2015**.

### **REFRESHER COURSE:**

1. Participated in the **5<sup>th</sup> UGC Refresher Course** in Pharmaceutical Sciences from **10–30 March 2004** held at the Department of Pharmacy, Annamalai University, Tamilnadu (Sponsored by University Grants Commission, India) & obtained **Grade: A** & has been placed in the first rank among all the participants throughout India.
2. Participated in AICTE, New Delhi sponsored two week **Faculty Development Programme** in association with Gujarat Technological University, Ahmedabad on *Newer Perspectives in Clinical Research* held at Shri Sarvajani Pharmacy College, Mehsana, Gujarat on **3-16 July 2013**.

## GUEST LECTURE:

1. Delivered a **Special Guest Lecture** on the topic *Organometallic agents: A diversion towards chemotherapeutic agents as well as pharmaceutical aids* held at the Department of Pharmaceutical Engineering & Technology, School of Engineering & Technology, Bharathidasan University: [Accredited **Grade-A** from NAAC], Tiruchirappalli, Tamilnadu, on **10 March 2005** which has been highly appreciated by the audience.
2. Delivered a **Guest Lecture** on *Reflection of green chemistry in protection of environment* in AICTE Sponsored Quality Improvement Programme on *Glimpses of current advances in the field of pharmaceutical sciences* held at M.S. University of Baroda, Vadodara, Gujarat on **8 June 2010**.

## COMPUTER SKILL:

1. Participated in the one month course on **Office Automation** (Fundamental, MS Office 2000, Basic Multimedia and Internet) in Shri Sarvajanic Computer Center, Mehsana, Gujarat from **20 June-20 July 2007**.

## RESEARCH ACTIVITIES:

**Senior Author: Prof. (Dr.) Dhrubo Jyoti Sen\***, M.Pharm. **Guide: Prof. (Dr.) Samir Chandra Lahiri, Ph.D. Guide: Prof. (Dr.) Jayanta Kumar Gupta**

### PAPERS PRESENTED BY DR. DHRUBO JYOTI SEN\* AT NATIONAL AND INTERNATIONAL CONFERENCES:

1. (a) **Dhrubo Jyoti Sen\* and Jayanta Kumar Gupta**; *Anti-inflammatory activity of some ketoamines and their derivatives* (b) **Debjit Sengupta, Dhrubo Jyoti Sen\* and Jayanta Kumar Gupta**; *Studies on some aryl urea derivatives as possible sedatives-hypnotics*: **International Conference on Chemists and 36<sup>th</sup> Annual Convention of Chemists** at Indian Institute of Chemical Biology, Calcutta, West Bengal, **11-16 December 1999**.
2. **Dhrubo Jyoti Sen\* and Jayanta Kumar Gupta**; *Correlation of chemical structures and biological activities of some Mannich bases using concepts of combinatorial chemistry*: **4<sup>th</sup> National Conference of Indian Society of Chemists and Biologists** at Central Drug Research Institute, Lucknow, Uttar Pradesh, **28-30 January 2000**.
3. **Dhrubo Jyoti Sen\***; *Comparative study on some urea derivatives & Mannich base derivatives as anti-inflammatory agents*: **National Seminar on Pharmacology & Toxicology: PHARMACOTOX-2001** at the Department of Zoology, Govt. Girls Postgraduate College, Rewa, Madhya Pradesh, **19-20 October 2001**.
4. **Dhrubo Jyoti Sen\***; *Comparison of activity between some Mannich base derivatives, NSAIDs & COX-2 inhibitors over inflammation*: **54<sup>th</sup> Indian Pharmaceutical Congress** at Bharati Vidyapeeth Deemed University, Pune, Maharashtra, **13-15 December 2002**.
5. **Dhrubo Jyoti Sen\*, Indermeet Singh Anand and Priti Pandya**; *CNS depression studies of synthesized urea derivatives & their potentiation activity with diazepam*: **International Congress of The Indian Pharmacy Graduates** at Annamalai University, Tamilnadu, **8-9 November 2003**.
6. **Dhrubo Jyoti Sen\* and Jayanta Kumar Gupta**; *Repository form of antibacterial agent with NSAID shows delayed action over bactericidal as well as inflammation rather than the parent moiety*: **7<sup>th</sup> International Symposium on Biomolecular Chemistry** at Octagon Center, University of Sheffield, United Kingdom: Sponsored by Royal Society of Chemistry & International Union of Pure and Applied Chemistry, **27 June-1 July 2004**. The 7<sup>th</sup> International Symposium on Biomolecular Chemistry, UK has sponsored my registration, accommodation & food as a bursary of £450 and the poster has been placed in the first position among all the participants throughout the world.  
This event has been published in the local newspapers of Mehsana (**Sandesh, Gujarat Samachar, Divya Bhaskar and Janagan**) & in **Pharma Times**: Vol-36, page-14, **August 2004**. **Shri Sarvajanic Educational Trust, Mehsana** has honoured me with a memento in the Inaugural Day of the **Golden Jubilee Year (2004-2005)** of the Trust: **1 August 2004**. This Educational Trust has been established on **1 August 1955** & public trust registration number: E.951; Date: **11 November 1955**.
7. **Dhrubo Jyoti Sen\*, Indermeet Singh Anand and Priti Pandya**; *Structure activity relationship studies of indanyl ureas in CNS depression: A new approach of molecular exploration*: **International Conference on Chemistry Biology Interface: Synergistic New Frontiers** in Vigyan Bhavan: Organized by Dr. B.R. Ambedkar Center for Biomedical Research, Delhi University, New Delhi, **21-26 November 2004**. Many distinguished persons from abroad have appreciated this research work.



**8. Dhrubo Jyoti Sen\*, Jayanta Kumar Gupta and Debjit Sengupta;** *Sleeping time potentiation effect of some synthesized aryl ureas & Mannich bases:* **92<sup>nd</sup> Indian Science Congress** at Nirma University of Science and Technology, Ahmedabad, Gujarat, **3-7 January 2005**. The Honorable Prime Minister of India, His Excellency President of India, Honorable Chief Minister of Gujarat & His Excellency Governor of Gujarat has inaugurated the conference. Around 6000 delegates & leading scientists participated from India & abroad.

**9. Dr. Dhrubo Jyoti Sen\*;** *Energy of green makes the health evergreen:* **National Seminar on Supramolecular Assemblies, Nanotechnology and Nanomedicines**, Sponsored by: GMDC Science and Research Center, Ahmedabad and Gujarat Council of Science and Technology, Gandhinagar at Institute of Pharmacy, Nirma University of Science and Technology, Ahmedabad, Gujarat, **4-5 March 2006**.

**10. Dhrubo Jyoti Sen\*;** *Farsight of pharmacy: a millennium oath:* **44<sup>th</sup> Annual Convention of Chemists (India)**; Organized by The Indian Chemical Society & Sponsored by: University Grants Commission, New Delhi, Council for Scientific & Industrial Research, New Delhi, Department of Science & Technology, New Delhi & Institution of Chemists (India) at Mahatma Gandhi Institute of Applied Sciences, Jaipur, Rajasthan, **23-27 December 2007**.

**11. (a) Prof. Dr. Dhrubo Jyoti Sen;** *Cross linking of calcium ion in alginate produce spherification in molecular gastronomy by pseudoplastic flow* **(b) Prof. Dr. Dhrubo Jyoti Sen;** *Oregano: the mountain of joy on taste buds* **(c) Prof. Dr. Dhrubo Jyoti Sen;** *The Maillard reaction of reducing sugars with amino acids in baking chemistry:* 3<sup>rd</sup> International Conference on Food and Bioengineering 2017, Rhodes Islands, Greece, **1-4 June 2017**.

**12. (a) Prof. Dr. Dhrubo Jyoti Sen\*;** *Far-sight of pharmacy in phar-sight in globalization of past and current millennium* **(b) Prof. Dr. Dhrubo Jyoti Sen\*;** *Bile acid sequestrants in hypercholesterolemia* **(c) Prof. Dr. Dhrubo Jyoti Sen\*;** *Unnatural food habit creates burping due to obnoxious gas* **(d) Prof. Dr. Dhrubo Jyoti Sen\*;** *DrugBank database as a unique bioinformatics and cheminformatics resource:* 7<sup>th</sup> International Conference and Exhibition on Pharmaceutical Regulatory Affairs and IPR, Chicago, Illinois, United States of America, **25-26 September 2017**.

#### **PAPERS PRESENTED AT NATIONAL AND INTERNATIONAL CONFERENCES BY THE STUDENTS OF DR. DHRUBO JYOTI SEN:**

**1. Samir Chandra Lahiri and Dhrubo Jyoti Sen\*;** *Manufacture of guaiacol from o-anisidine and preparation of m-nitrobenzaldehyde; a drug intermediate:* **46<sup>th</sup> Indian Pharmaceutical Congress** at Chandigarh, Punjab, **1994**.

**2. Dhrubo Jyoti Sen\* and Samir Chandra Lahiri;** *Industrial manufacture of vanillin from guaiacol; as an important organoleptic agent-I:* **47<sup>th</sup> Indian Pharmaceutical Congress** at Department of Pharmaceutical Sciences, Andhra University, Vishakhapatnam, Andhra Pradesh, **27-29 December 1995**.

**3. Dhrubo Jyoti Sen\* and Samir Chandra Lahiri;** *Industrial manufacture of vanillin from guaiacol; as an important organoleptic agent-II:* **48<sup>th</sup> Indian Pharmaceutical Congress** at Indian Institute of Technology, Chennai, Tamilnadu, **25-27 December 1996**.

**4. Dhrubo Jyoti Sen\* and Jayanta Kumar Gupta;** *Pharmacological and antimicrobial studies on some Mannich bases:* **87<sup>th</sup> Indian Science Congress** at Pune, Maharashtra, **3-7 January 2000**.

**5. Dhrubo Jyoti Sen\* and Jayanta Kumar Gupta;** *Antimicrobial activity of Mannich bases of some indanones and their oximes:* **52<sup>nd</sup> Indian Pharmaceutical Congress** at Hyderabad, Andhra Pradesh, **1-3 December 2000**.

**6. (a) Dhrubo Jyoti Sen\* and Jayanta Kumar Gupta;** *Investigation on newer antimicrobial agents* **(b) Dhrubo Jyoti Sen and Jayanta Kumar Gupta;** *Investigation on newer sedative-hypnotic agents:* **38<sup>th</sup> Annual Convention of Chemists** at Jai Narain Vyas University, Jodhpur, Rajasthan, **26-29 December 2001**.

**7. Dr. Dhrubo Jyoti Sen\* and Miss Asha Patel;** *Importance of metal & organometallic reducing agents used as catalyst in pharmaceutical chemistry:* **State Level Oral Paper Presentation** competition in Shri S.K. Patel College of Pharmaceutical Education & Research, Ganpat Vidyanagar, Kherva, Gujarat; Sponsored by: Gujarat Council of Science & Technology, Department of Higher Education, Govt. of Gujarat, Gandhinagar, **17-18 October 2003**.

**8. Dhrubo Jyoti Sen\*;** *Synthesis & anti-inflammatory studies of indanyl-benzimidazoles:* **40<sup>th</sup> Annual Convention of Chemists;** Organized by The Indian Chemical Society & Sponsored by: University Grants Commission, New Delhi, Council for Scientific & Industrial Research, New Delhi, Department of Science & Technology, New Delhi & Institution of Chemists (India) at Bundelkhand University, Jhansi, Utter Pradesh, **23-27 December 2003**.

**9. (a) Dhrubo Jyoti Sen\* and Jayanta Kumar Gupta;** *Synthesis & acute toxicity studies of some synthesized Mannich base derivatives* **(b) Dhrubo Jyoti Sen;** *Studies on antimicrobial activity of Mannich base derivatives:* **91<sup>st</sup> Indian Science Congress** at Panjab University, Chandigarh, Punjab, **3-7 January 2004**.



10. **Rasik Karad, Rutesh Vyas, Dr. Dhrubo Jyoti Sen\* and Dr. C.N. Patel**; *Antimicrobial screening of Caesalpinia crista seeds: State Level Oral Paper Presentation* competition in Anand Pharmacy College, Anand, Gujarat; Sponsored by: Gujarat Council of Science & Technology, Department of Higher Education, Govt. of Gujarat, Gandhinagar, **23-24 December 2004**.
11. (a) **Rutesh Vyas and Dhrubo Jyoti Sen\***; *Industrial effluent follows the law of conservation of energy* (b) **Dhrubo Jyoti Sen\***; *Future of Biofertilizers on agronomy lowers the bioburden of the ecosystem*: **41<sup>st</sup> Annual Convention of Chemists (India)**; Organized by The Indian Chemical Society & Sponsored by: University Grants Commission, New Delhi, Council for Scientific & Industrial Research, New Delhi, Department of Science & Technology, New Delhi & Institution of Chemists (India) at the Department of Chemistry, Delhi University, New Delhi, **23-27 December 2004**.
12. (a) **Devang Pandya and Dhrubo Jyoti Sen\***; *Organometallic components: A diversion towards chemotherapeutic agents as well as pharmaceutical aids* (b) **Rutesh Vyas, C.N. Patel, Indermeet Singh Anand and Dhrubo Jyoti Sen\***; *Pharmacological exposure towards hematological factors enhances the new approach on bioavailability*: **9<sup>th</sup> National Conference on Bioactive Heterocycles & Drug Discovery Paradigm**; Sponsored by: Indian Society of Chemists & Biologists, Medicinal Chemistry Division, Central Drug Research Institute, Lucknow at the Department of Chemistry, Saurashtra University, Rajkot, Gujarat, **8-10 January 2005**.
13. **Dhrubo Jyoti Sen\*, Rutesh Vyas, Rasik Karad, Devang Pandya, Laljibhai Patel, Indermeet Singh Anand, Chaganbhai N. Patel and Palanisamy Selvamani**; *Biological screening of pyrazolo-[b,d]-pyrimidine nucleus adduct with indan moiety for COX-1 & COX-2 inhibition*: **International Conference on Materials Chemistry MC7: Functional Materials For The 21<sup>st</sup> Century**, Sponsored by Royal Society of Chemistry at University of Edinburgh, United Kingdom, **5-8 July 2005**.
14. (a) **Ankit B. Shah, Harsha Patel, Jigna Shah, Dhrubo Jyoti Sen\*, Indermeet Singh Anand, Sunita Patel and C.N. Patel**; *Comparison of pharmacological screening of CNS depressant action of fused ring heterocyclic adduct with fused ring aromatic with benzodiazepine as standard* (b) **K. Elayaraja, J.K. Gupta, T.K. Pal, L.K. Ghosh, Dhrubo J. Sen\*, P. Sureshbabu, Latha. S and P. Selvamani**; *Diuretic activity of the ethanolic extract of Capparis sepiaria L Leaves*: **10<sup>th</sup> APTI National Convention** at Nagpur, Maharashtra, **17-18 October 2005**.
15. (a) **J.K. Gupta, T.K. Pal, D.J. Sen\* and Selvamani. P**; *Analgesic and Anti-inflammatory activity of Heliotropium zeylanicum* (b) **D. Sudhakar, T.K Pal, J.K. Gupta, L.K. Ghosh, D.J. Sen\*, P. Selvamani and S. Latha**; *Isolation, identification and evaluation of antimicrobial activity of a secondary metabolite obtained from a marine microorganism*: **57<sup>th</sup> Indian Pharmaceutical Congress** at Hyderabad, Andhra Pradesh, **2-4 December 2005**.
16. **Dhrubo Jyoti Sen\***; *Globalization of GMP for 21<sup>st</sup> century in pharmaceutical industries*: **42<sup>nd</sup> Annual Convention of Chemists (India)**, Organized by The Indian Chemical Society & Sponsored by: University Grants Commission, New Delhi, Council for Scientific & Industrial Research, New Delhi, Department of Science & Technology, New Delhi & Institution of Chemists (India) at the Department of Chemistry, Vishwa Bharati, Shantiniketan, West Bengal, **9-13 February 2006**.
17. (a) **Vishal J. Patel, Deval B. Patel, Dhrubo Jyoti Sen\* and Hasumati A. Raj**; *Pharmacokinetics in drug discovery and development* (b) **Yaswant K. Patel, Dhrubo J. Sen\*, Bhavesh J. Patel and Harsha U. Patel**; *Jatropha curcas: A wonder holistic unit for environmental science* (c) **Hardik A. Prajapati, Darshan Patel, Pragnesh Patel and Dhrubo Jyoti Sen\***; *Stability testing of new drug substances & products: An overview* (d) **Rubina S. Moria, Amit M. Patel, Dipesh A. Chaudhary, Hasumati A. Raj, Dhrubo Jyoti Sen\* and C.N. Patel**; *Sanitation and hygiene: In compliance of GMP* (e) **Paavan H. Trivedi, Amit K. Patel and Dhrubo Jyoti Sen\***; *Polymer coated insulin as a bioavailability enhancer* (f) **Amit M. Patel, Rubina S. Moria, Hasumati A. Raj, Dhrubo Jyoti Sen\* and C.N. Patel**; *Quality management: A part of quality assurance*: UGC-Sponsored **International E-Symposium on Pharmaceutical Engineering** at Department of Pharmaceutical Engineering and Technology, School of Engineering and Technology, Bharathidasan University, Tiruchirappalli, Tamilnadu, **3 March 2006**.
18. (a) **Mrs. Harsha U. Patel and Dr. Dhrubo Jyoti Sen\***; *DNA-based nanodevices* (b) **Dr. Dhrubo Jyoti Sen\* and Mrs. Harsha U. Patel**; *High resolution TEM observations of single-walled carbon nanotubes* (c) **Dr. Dhrubo Jyoti Sen\***; *Nano world: New cell phones from nanotech*: **National Seminar on Supramolecular Assemblies, Nanotechnology and Nanomedicines**, Sponsored by: GMDC Science and Research Center, Ahmedabad and Gujarat Council of Science and Technology, Gandhinagar at Institute of Pharmacy, Nirma University of Science and Technology, Ahmedabad, Gujarat, **4-5 March 2006**.
19. **Dhrubo Jyoti Sen\*, Satyam G. Patel, Jayanta Kumar Gupta and Palanisamy Selvamani**; *Molecular latentionation of structural framework and their studies on glomerular filtration in-vivo as well as bacteriostatic activity in-vitro*: **International Conference on Dalton Discussion 9: Functional Molecular Assemblies**, Sponsored by Royal Society of Chemistry at University of Manchester, United Kingdom, **19-21 April 2006**.
20. (a) **S. Latha, P. Selvamani, K. Elayaraja, T.K. Pal, J.K. Gupta, L.K. Ghosh and D.J. Sen\***; *Anti-tussive activity of ethanolic extract of Capparis sepiaria L leaves* (b) **P. Selvamani, S. Latha, K. Elayaraja, T.K. Pal, L.K. Ghosh and D.J. Sen\***; *Diuretic and antimicrobial studies of the formulated polyherbal formulations*: **11<sup>th</sup> APTI National Convention** at NIMHANS Convention Center, Bangalore, Karnataka, **1-3 September 2006**.

21. **Vishal J. Patel, Dhrubo Jyoti Sen\***, Hasumati A. Raj, Harsha U. Patel, Jigna S. Shah and Indermeet Singh Anand; Comparative structure activity relationship studies of synthesized dipeptides of indanone acetic acid conjugated with Mannich base on CNS depression: **International Conference on Chemical Biology: Directing Biosynthesis**, Sponsored by Royal Society of Chemistry at Robinson College, University of Cambridge, United Kingdom, **11-13 September 2006**.
22. (a) **Dipenkumar G. Patel, Jugal D. Gandhi, Chintankumar R. Bhavsar, Nihar H. Joshi, Mohit K. Dholaria, Saumil P. Jani, Dhrubo Jyoti Sen\*** and Indermeet Singh Anand; Structure activity relationship studies of pyrazolone adduct with indan derivative of Mannich bases for COX-1 and COX-2 inhibition (b) **Jugal D. Gandhi, Dipenkumar G. Patel, Mohit K. Dholaria, Chintankumar R. Bhavsar, Saumil P. Jani, C.N. Patel and Dhrubo Jyoti Sen\***; Estimation of potency of oxidase enzyme on higher homologous series of Mannich base: **Royal Society of Chemistry-West India Section, Students Symposium 2006** at Department of Chemistry, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, **13-14 October 2006**.
23. **P. Selvamani, J.K. Gupta, D.J. Sen and S. Latha**; Analgesic and anti-inflammatory activity of methanolic extract of *Commiphora berryi*: **Indian Pharmacy Graduates Association 23<sup>rd</sup> National Conference** at Chennai Convention Centre, Chennai, Tamilnadu, **4-5 November 2006**.
24. (a) **Dipesh A. Chaudhary, Dr. D.J. Sen\***, Hasumati A. Raj and C.N. Patel; Spectroscopic methods for rosvastatin calcium in bulk drug and pharmaceuticals dosage form (b) **Nirali S. Pataria, Amit M. Patel, Dr. D.J. Sen\*** and Dr. C.N. Patel; Adverse drug-drug and food-drug interactions: **2<sup>nd</sup> International Conference on Pharmaceutical Sciences, Technology and Practice and 2<sup>nd</sup> Indo-Canadian Satellite Symposium** at J.S.S. College of Pharmacy, Ooty, Tamilnadu, **24-26 February 2007**.
25. **Dipesh A. Chaudhari, Dhrubo Jyoti Sen\*** and Jigna S. Shah; CNS stimulation effect of semisynthetic adduct of caffeine with Schiff's base of pyrazolo-pyrimidine and pyrazolone nucleus: **International Conference on 8<sup>th</sup> Annual Florida Heterocyclic IUPAC-Sponsored Conference** at University of Florida, Gainesville, United States of America, **11-14 March 2007**.
26. (a) **Amit M. Patel, R.S. Moria, D.J. Sen\***, H.A. Raj and C.N. Patel; Pharminformatics-way to the recent trends in pharma research and education (b) **Dipeshkumar A. Chaudhary, D.J. Sen\*** and C.N. Patel; Pharmaceutical CGMP for the 21<sup>st</sup> century: a risk based approach: **21<sup>st</sup> Gujarat Science Congress**; Sponsored by: Gujarat Council of Science and Technology at Hemchandracharya North Gujarat University, Patan, Gujarat, **11 March 2007**.
27. **Nirali Pataria and Dr. Dhrubo Jyoti Sen\***; Evaluation of physicochemical property of synthesized substituted and unsubstituted indan acetic acid adduct with carboxy derivative of pyrazolone: **National Seminar on Modern Trends in Supramolecular Assemblies, Nanotechnology and Nanomedicines**, Sponsored by: GMDC Science and Research Center, Ahmedabad and Department of Science and Technology, New Delhi at Institute of Pharmacy, Nirma University of Science and Technology, Ahmedabad, Gujarat, **16-17 March 2007**.
28. **Mohit K. Dholaria, Saumil P. Jani, Jugal D. Gandhi, Nihar H. Joshi, Dipenkumar G. Patel, Chintankumar R. Bhavsar, Dr. Dhrubo Jyoti Sen\*** and Dr. Indermeet Singh Anand; Bioisosteric correlation approach of indanone and pyrazolone rings for cyclooxygenase inhibition in-vivo: **International Conference on 2<sup>nd</sup> Strategic Polymer Symposium on Macromolecules for a Sustainable, Safe, and Healthy World (IUMACRO-2007)**: Sponsored by: International Union of Pure and Applied Chemistry and American Chemical Society at Polytechnic University, Brooklyn, New York, United States of America, **10-13 June 2007**.
29. (a) **Ravikumar Vasantlal Modi and Dr. Dhrubo Jyoti Sen\***; Structure activity relationship studies of synthesized urea diamides on CNS depression and sleeping time potentiation effect (b) **Vina J. Patel, Ishwerbhai S. Rathod and Dhrubo Jyoti Sen\***; Chemistry of solasodine and solasonine as steroidal alkaloid and their pharmacological response on glomerular filtration: **International Conference on 4<sup>th</sup> International Congress of Nanotechnology**, Sponsored by: International Association of Nanotechnology at San Francisco, United States of America, **5-8 November 2007**.
30. (a) **P. Selvamani, T.S. Latha, Narra Kishore, J.K. Gupta, T.K. Pal, L.K. Ghosh and D.J. Sen\***; Analgesic and antipyretic activity of crude ethanol extract of *Commiphora berryi* (Arn) engl (b) **P. Selvamani, S. Latha, Narra Kishore, P. Rajesh, J.K. Gupta, T.K. Pal, L.K. Ghosh and D.J. Sen\***; Antimalarial activity of crude extracts of *Commiphora berryi* (Arn) engl: **59<sup>th</sup> Indian Pharmaceutical Congress**, Sponsored by Ranbaxy at Banaras Hindu University, Varanasi, Uttar Pradesh, **20-23 December 2007**.
31. **Dipesh A. Chaudhari and Dhrubo Jyoti Sen\***; Parable of a shapeless liquid: A token of life: **44<sup>th</sup> Annual Convention of Chemists (India)**; Organized by The Indian Chemical Society & Sponsored by: University Grants Commission, New Delhi, Council for Scientific & Industrial Research, New Delhi, Department of Science & Technology, New Delhi & Institution of Chemists (India) at Mahatma Gandhi Institute of Applied Sciences, Jaipur, Rajasthan, **23-27 December 2007**.
32. **Suganya G, J.K. Gupta, Dhrubo Jyoti Sen, T.K. Pal, L.K. Ghosh, S. Latha & P. Selvamani**; Antitubercular activity of petroleum ether extract of *Commiphora berryi* (ARN) engl bark by resazurin micro titre plate assay (REMA): **National**



**Symposium on Current Scenario in Microbial Technology**, Department of Microbiology, Bharathidasan University, Tiruchirappalli, Tamilnadu, 3-5 January 2008.

**33. Meghal V. Modi, Mehul K. Patel, S. T. Prajapati, Hasumati Raj, D. J. Sen\*, C. N. Patel**; *A novel concept for drug delivery system: liposomes*: **National Seminar on Advances in Topical Drug Delivery**: Sponsored by AICTE at S.K. Patel College of Pharmaceutical Education and Research, Ganpat University, Kherva, Gujarat, 1-2 February 2008.

**34. (a) Maulik K. Prajapati, Meghal V. Modi, Krishna A. Patel, Dhruvo Jyoti Sen\*, Chhaganbhai N. Patel and Harsha U. Patel**; *Intermolecular and intramolecular synergistic activity of molecular bioisosterism of indole-indene rings on inflammation* (b) **Meghal V. Modi, Maulik K. Prajapati, Hasumati A. Raj, Dhruvo Jyoti Sen\* and C.N. Patel**; *Amalgamation of nanobiotechnology with green nanotechnology*: **22<sup>nd</sup> Gujarat Science Congress**; Sponsored by: Bhavnagar University and Gujarat Science Academy at Department of Life Sciences, Bhavnagar University, Bhavnagar, Gujarat, 9 March 2008.

**35. Parth K. Patel, Dhruvo Jyoti Sen\*, Amit H. Patel and Hiren R. Patel**; *Growth inhibition of microorganism by bioisosterism*: **International Conference on 9<sup>th</sup> Annual Florida Heterocyclic IUPAC-Sponsored Conference** at University of Florida, Gainesville, United States of America, 9-12 March 2008.

**36. (a) Krishna A. Patel and Dhruvo Jyoti Sen\***; *Statistical optimization of sustained release venlafexine wax matrix tablet* (b) **Ripal Chaudhari and Prof Dr Dhruvo Jyoti Sen\***; *Statistical approach in drug discovery and development*: **International Conference on Biodiversity and Natural Products (ICOB-6 and ISCNP-26)**, Sponsored by International Union of Pure and Applied Chemistry at Charlotte Town, Prince Edward Island, Canada, 13-18 July 2008.

**37. Nirali A Passi, Prof Dr Dhruvo Jyoti Sen\* and Prof Dr Indermeet Singh Anand**; *Pharmacological study of biotransformation of substituted and unsubstituted indanone acetic acid adduct with pyrazolone ring for analgesic activity in-vivo*: **19<sup>th</sup> IUPAC Conference on Physical Organic Chemistry (ICPOC-19)**, Sponsored by: International Union of Pure and Applied Chemistry at Royal University of Santiago d Compostela, Spain, 13-18 July 2008.

**38. Krishna A. Patel, Nidhi Kapadia and Dr. Dhruvo Jyoti Sen\***; *Holistic medicine as a great hope for health care*: **4<sup>th</sup> International Conference on Environmental Science and Technology**, Sponsored by: American Academy of Sciences at Houston, Texas, United States of America, 28-31 July 2008.

**39. Rohitbhai Dahyabhai Patel\*, Jatinkumar Mohanbhai Patel, Dhruvo Jyoti Sen and Chhaganbhai Nanjibhai Patel**; *Outlook of pharmacy in healthcare system*: **Indian Pharmaceutical Association Student's Congress**, Sponsored by Indian Pharmaceutical Association at University of Mumbai, Mumbai, Maharashtra, 15-17 August 2008.

**40. (a) Yatri R Shah and Dhruvo Jyoti Sen\***; *Journey of carbon nanotubes from macro world to nano world* (b) **Vikramkumar Vishnubhai Patel and Dhruvo Jyoti Sen\***; *Milestones of new drug discovery: A challenge for healthcare* (c) **Vinod Patel and Dhruvo Jyoti Sen**; *Use of liposomes in drug delivery system* (d) **Avani H Sheth and Dhruvo Jyoti Sen\***; *Newer macrolactone from natural source for anticancer therapy* (e) **Jatinkumar Mohanbhai Patel, Rohitbhai Dahyabhai Patel, Dhruvo Jyoti Sen\* and Chhaganbhai Nanjibhai Patel**; *Overview of community pharmacy: A noble challenge for the millennium* (f) **Parimal M. Prajapati & Dr. Dhruvo Jyoti Sen\***; *Changing the face of water splitting catalyst* (g) **Dhaval M Patel and Dhruvo Jyoti Sen\***; *Combination of combinatorial chemistry in the history of chemistry*: **National Seminar on Pharma Vision 2020**, Sponsored by Akhil Bharatiya Vidyarthi Parishad at B.S. Patel Pharmacy College, Saffrony Institute of Pharmacy, Mehsana, Gujarat, 6-7 September 2008.

**41. Meghal Vinodchandra Modi and Dhruvo Jyoti Sen\***; *Chiral synthesis of Mannich bases and separation of racemic mixtures*: **International Conference of Chemistry in the New World of Bioengineering and Synthetic Biology**: Sponsored by the Royal Society of Chemistry, Oxford, United Kingdom, 22-24 September 2008.

**42. Vikramkumar Vishnubhai Patel, Prof. Dr. Dhruvo Jyoti Sen\* and Prof. Dr. C.N. Patel**; *Correlation between cheminformatics and bioinformatics in drug discovery*: **National Level UG Student Seminar: Pharma Shine 2008**; Sponsored by: Gujarat Council on Science and Technology, Gandhinagar at C.U. Shah College of Pharmacy & Research, Surendranagar, Gujarat, 28 September 2008.

**43. (a) Ishan I Panchal, Naman B Doshi and Dr Dhruvo Jyoti Sen\***; *Role of research in making India global giant* (b) **Parimal M. Prajapati, Avani H. Sheth, Yatri R. Shah and Prof. Dr. Dhruvo Jyoti Sen\***; *Use of information technology in health-care using nanotechnology to fight disease* (c) **Yatri R Shah, Avani H Sheth, Parimal M Prajapati and Prof Dr Dhruvo Jyoti Sen\***; *Herbalism: A new hope for coming era* (d) **Avani H Sheth, Yatri R Shah, Parimal M Prajapati and Prof Dr Dhruvo Jyoti Sen\***; *Use of information technology in healthcare ventilators: Technology for lungs*: **Current Trends in Drug Discovery and its Application: State Level Conference**, Sponsored by: Gujarat Council on Science and Technology, Gandhinagar at Department of Chemistry, Sheth M.N. Science College, Patan, Gujarat, 28 September 2008.

**44. (a) Chirag K. Patel, Prashant S. Mewada and Prof. Dr. Dhruvo Jyoti Sen\***; *Sirolimus: A macrolide as an inhibitor of cell proliferation* (b) **Parimal M. Prajapati, Avani H. Sheth and Prof. Dr. Dhruvo Jyoti Sen\***; *Stem cell in treatment of cancer* (c) **Yatri R. Shah and Prof. Dr. Dhruvo Jyoti Sen\***; *Role of information technology in pharmaceutical science* (d) **Avani H. Sheth,**

**Parimal M. Prajapati and Prof. Dr. Dhrubo Jyoti Sen\***; *Artificial virus silences genes* (e) **Vikramkumar Vishnubhai Patel and Prof. Dr. Dhrubo Jyoti Sen\***; *Inner eye of chemical science and bioscience in pharmaceutical science: National Conference: Pharma Zephyr Conference* at Saraswati Institute of Pharmaceutical Sciences, Dhanap, Gandhinagar, Gujarat, **18-19 October 2008**.

**45. Maulik Kantilal Prajapati and Dhrubo Jyoti Sen\***; *Inhibition of arachidonic acid pathway by biotransformation of amide linkage of indanone acetic acid with pyrazolone ring for analgesic activity in-vivo*: **45<sup>th</sup> Annual Convention of Chemists (India) and International Conference on Recent Advances in Chemistry**; Organized by The Indian Chemical Society & Sponsored by: University Grants Commission, New Delhi, Council for Scientific & Industrial Research, New Delhi, Department of Science & Technology, New Delhi & Institution of Chemists (India) at P.G. Department of Studies in Chemistry, Karnatak University, Dharwad, Karnataka, **23-27 November 2008**.

**46. (a) Avani H Sheth, Yatri R Shah, Parimal M Prajapati and Prof Dr Dhrubo Jyoti Sen\***; *Synthesis of bis-pyrimido imidazole fused ring heterocyclic adduct with ureas of Mannich base for CNS depression* (b) **Meghal V Modi, Praful D Bharadiya, Dhrubo Jyoti Sen\* and C.N. Patel**; *Synthesis of chiral compounds and separation of enantiomers by thin layer chromatography and high performance thin layer chromatography*: **60<sup>th</sup> Indian Pharmaceutical Congress**; Organized by: Indian Pharmaceutical Association, Netaji Subash Institute of Technology, Dwarka, New Delhi, **12-14 December 2008**.

**47. (a) N Kapadiya and D J Sen\***; *Health risk factors by saturated and unsaturated lipids in cardiovascular disease* (b) **V V Patel, M K Prajapati and D J Sen\***; *No to atherosclerosis and yes to homeostasis* (c) **M K Prajapati and D Jyoti Sen\***; *Smile on your face during wiki interface*: **Joint International Conference of The International Society for Heart Research and The International Academy of Cardiovascular Sciences**, Organized by : Govt. Medical College, Surat, KRIBHCO Township, Hazira, Surat, Gujarat, **13-15 December 2008**.

**48. (a) Patel AV, Patel, JV, \*Sen DJ, Patel CN**; *First Derivative Spectrophotometric Estimation of Cilostazol in Bulk and Formulation* (b) **Shah BS, \*Sen DJ, Bahekar RH**; *Design, synthesis and characterization by spectroscopic evaluation of dipeptide based Dipeptidyl Peptidase IV inhibitors (DPP-IV) as new class of antidiabetic drugs*: **Paper Presentation Competition**; Sponsored by: Gujarat Council of Science and Technology at Shri Sarvajanic Pharmacy College, Mehsana, Gujarat, **9-10 January 2009**.

**49. (a) Ishan I. Panchal, Naman B. Doshi, Maulik K. Prajapati and Dhrubo Jyoti Sen\***; *Novel approach of green chemistry in productivity* (b) **Parimal M. Prajapati, Yatri R. Shah and Dhrubo Jyoti Sen\***; *Principles of green chemistry in preventing pollution sustaining the earth* (c) **Avani H. Sheth and Dhrubo Jyoti Sen\***; *Atom economy by green chemistry in protection of environmental pollution* (d) **Dhaval M Patel, Maulik K Prajapati and Dhrubo Jyoti Sen\***; *Chemistry of macromolecules: supramolecular chemistry* (e) **Bony Shah and Dhrubo Jyoti Sen\***; *Greening across the pharmaceutical chemistry: a novel and ecofriendly approach* (f) **Rahul Patel, Dhrubo Jyoti Sen\* and C.N. Patel**; *Sonochemistry in green solvents*: **National Conference on Green Chemistry** at Department of Chemistry at Veer Narmad South Gujarat University, Surat, Gujarat, **6-8 February 2009**.

**50. Parimal M. Prajapati and Dr. Dhrubo Jyoti Sen\***; *Impurity profiling: A new horizon in safe drug therapy*: **National Seminar on Impurity profiling and bioanalytical method development**: Sponsored by: AICTE at S.K. Patel College of Pharmaceutical Education & Research; Ganpat University, Kherva, Gujarat, **13-14 February 2009**.

**51. Vidhiben Rajnikant Patel, Vikramkumar Vishnubhai Patel and Dhrubo Jyoti Sen\***; *Synthesis of substituted triazolopyrrole fused ring adduct with benzylidene piperidyl urea/thiourea bridge and screening for CNS depression*: **International Conference on 10<sup>th</sup> Annual Florida Heterocyclic and Synthetic Conference** at University of Florida, Gainesville, United States of America, **8-11 March 2009**.

**52. Patel DM, Patel RC, \*Sen DJ**; *Nanotoxicology and nanosensors used in the nano science*: **National Seminar on Frontiers in Nanotechnology: A Pharmaceutical Perspective** at Institute of Pharmacy, Nirma University of Science and Technology, Ahmedabad, Gujarat, **20 March 2009**.

**53. (a) Avani H. Sheth, Dhrubo Jyoti Sen\* and Meghal V. Modi**; *Comparative study of separation of enantiomers from racemic mixtures of Mannich bases by brucine and mandelic acid* (b) **Parimal M. Prajapati, Avani H. Sheth, Yatri R. Shah and Dhrubo Jyoti Sen\***; *Structure activity relationship study of electronegativity on sleeping time potentiation for imidazolo bis-triazine heterocyclic compounds*: **National Conference on Innovations in Pharmaceutical Research** at Baroda College of Pharmacy, Vadodara, Gujarat, **8-9 September 2009**.

**54. (a) Avani H. Sheth and Prof. Dr. Dhrubo Jyoti Sen\***; *Pseudo-peptides in drug discovery: A newer technology* (b) **Parimal M. Prajapati and Dhrubo Jyoti Sen\***; *Indolamine 2,3-dioxygenase in cancer treatment* (c) **Shah Yatri R and Prof Dr Dhrubo Jyoti Sen\***; *Supramolecular Chemistry: A novel approach in chemistry drug design*: **National Seminar on Pharma Vision 2020**, Sponsored by Akhil Bharatiya Vidyarthi Parishad at S.J. Thakkar Pharmacy College, Rajkot, Gujarat, **12-13 September 2009**.



- 55. Bony Rajendra Shah, Dhrubo Jyoti Sen\*, Kiran Manubhai Patel and Rajesh H Bahekar;** *In-vitro and in-vivo investigation of synthesized dipeptidyl peptidase IV inhibitors (DPP-IV) as serum glucose lowering agent: 61<sup>st</sup> Indian Pharmaceutical Congress;* Organized by: Indian Pharmaceutical Association at Institute of Pharmacy, Nirma University of Science and Technology, Ahmedabad, Gujarat, **11-13 December 2009.**
- 56. Kiran Manubhai Patel, Hardik Arvindbhai Patel, Dhrubo Jyoti Sen\*, Bibhuranjan B. Panigrahi and R. Badmanaban;** *In-vitro evaluation of total reducing property of the synthesized molecule having variable atomic electronegativity: 14<sup>th</sup> ISCB International Conference;* Organized by Indian Society for Chemists and Biologists, Lucknow at Central Drug Research Institute, Lucknow, Uttar Pradesh, **15-18 January 2010.**
- 57. Dilipkumar Ramjibhai Chavda, Hardik Arvindbhai Patel, Kiran Manubhai Patel and Dhrubo Jyoti Sen\*;** *Structure activity relationship studies of conjugated diamides of variable atomic electronegativity for sleeping time synergistic activity: International Conference on 11<sup>th</sup> Annual Florida Heterocyclic and Synthetic Conference* at University of Florida, Gainesville, United States of America, **7-10 March 2010.**
- 58. Marvaniya H.M., Sen\* D.J., Bambharoliya T.R., Patel A.D.;** *Dendrimers in novel drug delivery system: A new approach and versatility in application: National Level Seminar on Potential of Nanotechnology in Drug Discovery*, Sponsored by AICTE, New Delhi, at A.R. College of Pharmacy, Vallabh Vidyanagar, Gujarat, **13-14 March 2010.**
- 59. Priya R. Modiya, Dilip R. Chavda, Hiren M. Marvaniya and Prof. Dr. Dhrubo Jyoti Sen\*;** *Synthesis and chemistry of pyrazolone with pyrimidine ring and screening of antioxidant activity of synthesised heterocyclic nucleus having urea/thiourea/guanidine linkages: AICTE Sponsored two days National Seminar on Stability Issues In Pharmaceuticals* held at S.K. Patel College of Pharmaceutical Education and Research, Ganpat University, Kherva, North Gujarat, **16-17 April 2010.**
- 60. Ravi Natvarlal Patel, Mr. R. Badmanaban and Prof. Dr. Dhrubo Jyoti Sen\*;** *Metabolic engineering of microorganisms: general strategies and drug production: APOCALYPSE 2010*, at K.B. Institute of Pharmaceutical Education & Research at Gandhinagar, Gujarat, **20-21 August 2010.**
- 61. Ravi Natvarlal Patel and Prof. Dr. Dhrubo Jyoti Sen\*;** *Latest strategy of medicinal chemistry implements in-silico after in-vivo & in-vitro: PHARMAVISION 2020*, Organized by Akhil Bharatiya Vidyarthi Parishad at Dharmaj Degree Pharmacy College, Gujarat, **18-19 September 2010.**
- 62. (a) Ravi Natvarlal Patel, Urviben Yashodharbhai Patel, Parimal Maganbhai Prajapati and Prof Dr Dhrubo Jyoti Sen\*;** *Biochemical study by excitons of quantum dots and cornell dots in nanoscience (b) Poonam Niranjnabhai Parikh, Mehulkumar Amrutbhai Prajapati and Prof Dr Dhrubo Jyoti Sen\*;* *Multifunctional nanocarriers for diagnostics, drug delivery and targeted treatment across blood-brain barrier: perspectives on tracking and neuroimaging (c) Bhakti J. Katarmal, Reema L. Kanzariya and Prof Dr Dhrubo Jyoti Sen\*;* *Future goal of nanodevices in prophylaxis in pharmacotherapy (d) Pratik Ranchhodhbhai Chaudhary and Prof. Dr. Dhrubo Jyoti Sen\*;* *Polymernanocomposites as biohybrid polymer nanofibers: International Conference on Fundamental and Applications of Nano Science and Technology*, Organized by: School of Materials Science & Nanotechnology, Jadavpur University, Calcutta, West Bengal, **9-11 December 2010.**
- 63. (a) Urviben Yashodharbhai Patel and Prof. Dr. Dhrubo Jyoti Sen\*;** *Structure activity relationship study of synthesised Schiff bases and Mannich bases of substituted 5-methyl-1,2-dihydro-3H-pyrazol-3-one derivatives having variable electronegative atoms for antioxidant screening (b) Ravi N. Patel, Mehulkumar A. Prajapati, Ravikumar V. Modi, Urviben Y. Patel, Ankit D. Patel, Poonam N. Parikh and Prof. Dr. Dhrubo Jyoti Sen\*;* *Method development for 2-carboxy phenyl thiourea on UV-visible spectrophotometer by first derivative spectrophotometric estimation (c) Kaumil Navnitbhai Modi, Palakben K. Parikh, Hiren M. Marvaniya and Prof. Dr. Dhrubo Jyoti Sen\*;* *Structure activity relationship studies of substituted Mannich bases of pyrazolo [1,5-a][1,3,5]-triazin-2(6H)-one ring system with variable electronegative atoms (urea/thiourea/guanidine) for antimicrobial/antifungal activity: International Conference on 12<sup>th</sup> Annual Florida Heterocyclic and Synthetic Conference* at University of Florida, Gainesville, United States of America, **6-10 March 2011.**
- 64. (a) Yatri R. Shah, Dhrubo Jyoti Sen\*, Ravi N. Patel, Jimit S. Patel and Parimal M. Prajapati;** *Aromatherapy: the doctor of natural harmony of body & mind (b) Yatri R. Shah, Dhrubo Jyoti Sen\*, Ravi N. Patel, Jimit S. Patel and Parimal M. Prajapati;* *Liposuction: a remedy from obesity: National Seminar on Drug Development and Evaluation: PK-PD perspective* at Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat, **11 March 2011.**
- 65. Arpit D. Shah, Devanshi J. Raval and Dr. Dhrubo Jyoti Sen\*;** *Importance of stereochemistry in drug design of pteridin, piperidine-dione and dihydropyridine nucleus: APOCALYPSE 2011*, at K.B. Institute of Pharmaceutical Education & Research at Gandhinagar, Gujarat, **10-11 August 2011.**
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