Curricul Vitae in Brief

Prof. Ramesh K. Goyal

B.Sc. (Hon.), M.Sc. (Medical), Ph.D. (Pharmacy) FIC., FICN, FIPS, FAMS, FIACS, FNASc, FSCH, FISH, FISVPT

CURRENT DESIGNATION AND ADDRESS: (SINCE 2016) Vice-Chancellor,

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Distinguished Visiting Professor, UCSI University Kula Lumpur, Malaysia Honarary Professor, Stravopol State Medical University, Russia Member, Regional Chapter, United States Pharmacopoiea Scientific Advisery Board, Nationla Dope Testing Laboratory, New Delhi Member, Expert Working Group, Indian Pharmacopoeia Commission, Ghaziabad, UP Member, Phytopharmaceutical Group, CDSCO, New Delhi



Nationality : Indian Date of Birth: Oct. 22, 1955

PREVIOUS IMPORTANT POSITIONS:

- Vice-Chancellor, The M. S. University of Baroda (2008-11)
- Executive Director, V ClinBio Pvt Ltd. Chennai (2014-16)
- Director, ISF College of Pharmacy, Moga Punjab (2011)
- Director (Pharmacology & Clinical Research): SVKM's NMIMS University, Mumbai (2011-12)
- Distinguished Professor, Ahmedabad University (2013-14),
- Professor, L. M. College of Pharmacy, Ahmedabad (1978-2011)

TEACHING EXPERIENCE

- <u>45 years including 27 years as Professor</u> & 12.5 years as Associate Professor.
- Served as Ph.D. Guide in eight Universities. Guided 194 PG and 47 Ph.D. students
- Pharmacy Teacher of the Year Award (2004) conferred by APTI at Vishakhapatanam
- Sardar Jashwant Singh Rail Memorial Lecturership Award (2022), GNDU, Amritsar
- Life Time Achievement award as Distinguished Pharmacy Pharmacologist (2023) by IPS, at Mysuru
- Life Time Achievement Award as Pharmacy Teachers by Lloyd Group of Institutions (2023), Greater Noida, UP

RESEARCH

- Over **400+ full papers with book Chapters & 20** books some in 20th -30th Edition
- 'h'index 48; Over 7500 citations Google; 'h' index 28 in Scopus
- 79 Awards in research at State, National and International levels
- Ten patents filed, Four awarded
- Attended and organized several National and International conferences.
- Best Pharmaceutical Research Scientist, (2007) conferred by APTI at Chandigarh

INTERNATIONAL RECOGNITION

- Diploma Hon. Professor, Stavropol State Medical University, Russia (Second Foreighner in 80 Years)
- Distinguished Visiting Professor, UCSI University Kula Lumpur, Malaysia
- President, International Academy of Cardiovascular Sciences (India Chapter since 2020
- Invited as Post Doctoral Fellow, Visiting Professor & Visiting Scientist in Canada
- Invited as Speaker and Chairman in International Conferences abroad.
- Life Time Achievement Award by International Academy of Cardiovascular Science (IACS), Canada (2011),
- Fellow 2009, Member of the Board and Distinguished Service Awardee of IACS Canada.
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NATIONAL RECOGNITION & ADMINISTRATION

- Chairman, Scientific Advisery Board, National Dope Testing Laboratory, New Delhi
- Member, Scientific Advisery Committee, Indian Pharmacopoiea Commissionn, Faridabad
- Member, Scientific Advisery Group (Herbal Division), Technical Review Committee, , ICMR, New Delhi
- Chairman, Central Regional Committee, AICTE, Bhopal& Executive Member, AICTE, New Delhi (2010-11)
- Chairman, Oxytocin Committee, CDSCO, New Delhi

- Chairman, Endosulfan Committee, Govt. of Gujarat, Gandhinagar
- Chairman, Oxytocin Committee, CDSCO, Govt. of India, New Delhi
- Research Grants of over Rs. 1.6 Crores at L M College, Ahmedabad, (Before 2008)
- Grants for CoE at M. S. University 21 Cr in 2009-10
- Grants for CoE at DPSRUniversity from DBT-BIRAC, DSIR, DST
- President (2009) & General Secretary (2002-2004) of Indian Pharmacological Society
- President (2010 & 2011) and Editor-in-Chief (2004-2008), Society of Pharmacovigilance (India)
- President (2011-12) & Secretary- General (1995-1998) Indian Society of Hypertension
- President (2022- till date) IACS, India Chapter

SOCIAL RECOGNITION

- Through personal Donation of 15 Lakhs, built the school building in the village (Nehrauli, Bayana Rajasthan)
- Guest speaker on Medical Awareness, Lions Clubs International Dist. 323-B, & AWAG
- Aggra Ratna Award By Gujarat Agrawal Samaj (Conferred by Governor of Gujarat)
- Talk at Omni TV, Winnipeg, Canada, and other TV Channels in India
- Chief Guest, Social functions of various NGOs including Rotary Clubs and Lions Club International

Statement of Scientific Research Contributions by Prof. Ramesh K. Goyal

1. Basic research on characterization of receptors in various Smooth Muscles and investigation on the influence of various hormones and diseases

In the initial stage during doctoral programme, I tried to unravel the mechanism of action of various drugs and endogenous biogenic amines using isolated tissue preparations. I was amongst the earlier scientists involved in the characterization of histamine receptor subtypes in different smooth muscle preparations like rat uterus, guinea-pig myometrium and taenia coli. We later showed that some preparations biogenic amines produce indirect sympathomimetic effect involving release of noradrenaline. We were the first to report that H₂ receptors in rat uterus are located pre-synaptically and the stimulation of these receptors produce release of noradrenaline.

2. Investigation on the influence of various hormones and diseases on specific receptors in Smooth Muscles and cardiac muscles

Using the rat anococcygeus muscle carried out extensive work and we established that the rat anococcygeous muscle is the most promising smooth muscle preparations for autonomic research specially to investigate indirect sympathomimetic activity of drugs. After having characterized receptors and post receptor mechanisms various smooth muscles as well as cardiac muscles, we studied the influence of diabetes mellitus, hyperthyroidism, chronic treatment with estrogen, progesterone and morphine addiction on the receptors or their downstream pathways.

One of the studies was effects of estrogen and progesterone on histamine levels and histamine receptors. This was correlated with the premenstrual syndrome in patients. *We hypothesized that histamine levels and histamine receptors can influence the hormonal disturbances especially in females.* Some clinicians (gynecologists) accepted this for premenstrual syndrome.

Another such study established upregulation of alpha receptors and down regulation of beta receptors in diabetes. These again were considered to be significant and various publication and presentation awards were received.

3. Choice of antihypertensive drug when diabetes and hypertension co-exit:

In continuation to the above mentioned strategies in research, we could make significant contribution in understanding the impact of diabetes mellitus and hypertension on cardiovascular morbidity and mortality. It was suggested that there should be appropriate choice of antihypertensives when both these conditions co-exist. It was emphasized that the problem in the treatment of hypertension is not the high blood pressure *per se*, but the associated complications such as cardiomyopathy, adrenoceptor sensitivity, hypothyroidism hyperlipidaemia, insulin-resistance etc. We reported that while most of the anti-hypertensive drugs prevented STZ-induced hypertension in rats, hydralazine, angiotensin converting enzyme inhibitors calcium channel blockers and clonidine could prevent STZ-induced cardiomyopathy, hyperlipidaemia and glucose tolerance. We further reported that different antihypertensive drugs belonging to the same class produce different effects. During these studies Dr. Goyal also utilized other animal models of simultaneously occurring diabetes-

mellitus and hypertension such as genetically hypertensive or spontaneously hypertensive, DOCA-hypertensive and neonatal streptozotocin-induced NIDDM. Spontaneously hypertensive, neonatal streptozotocin-induced NIDDM and fructose hypertensive rats were demonstrated to be hyperinsulinaemic and insulin-resistant. Some of these models utilized for evaluation of newer drugs from herbal sources.

4. Research Extended to Clinical Application

The results of the experimental studies were extended to the clinical practice. We could get clinical data to substantiate the results of experimental studies from animals. We studied the effect of atenolol, enalapril, clonidine and nifedipine in diabetic hypertensive patients and **a** good correlation was obtained between experimental studies and clinical data.

Similar strategies he has adopted to integrate for evaluation of intracoronary drugs used during percutaneous coronary interventions (PCI) with experimental data from ischemiapreconditioning. He is also involved in study of devices and clinical outcome in patients undergoing coronary outer bypass graft (CABG) and the effect of various ACE inhibitors and usage of newer drugs like GP IIb/IIIa antagonists.

The most exciting event was that the doctor in a village with my co-authorship got award for the paper presented in Annual Conference of Indian medical Association, Gujarat Chapter. We also had a chance of carrying out First in Human Trial of a device (Pulmonary Artery Pressure by Implantable device responding to Ultrasonic Signal, PAPIRUS Trial) and it was a success.

Working on various alterations during diabetes mellitus, we found that hypothyroidism is associated with diabetes mellitus. Correlating this with altered digoxin levels, he reported that diabetic patients have higher digoxin levels, which might be even crossing the toxic limits. Such a finding has helped many physicians to save patients from digoxin toxicity which otherwise was taken as the infectiveness of the digoxin effects. In my life, I felt this is one of the modest but best contribution as many lives were saved in such patients because some physicians monitored based on the digoxin levels.

The above mentioned work got recognition not only in India but also in other countries wherein, I was invited as the Visiting Scientist I Canada and USA.

5. Establishment of the involvement of 5 HT_{2A} receptors and dopamine receptor in Diabetes mellitus

Continuing research in the field of diabetes, we started to have anti-diabetic drug discovery by evolving different strategies. Diabetes mellitus is known to be associated with several factors such as cardiovascular diseases and stress. When one considers the stress, 5-hydroxytryptamine (5-HT) and dopamine (DA) are the two principal neurotransmitters involved. 5-HT plays important role in the brain mediating sleep, feeding, mood, temperature regulation and sexual behavior. Role of 5-HT is also well established in cardiovascular complications. Similar is the case with dopamine. Thus, link between diabetes mellitus and stress and stress and 5-HT are known. What missing was the direct link of the 5-HT with diabetes. We showed directly the link between 5-HT and diabetes mellitus. The work was carried out using specific 5-HT receptor subtype agonists and antagonists in rats. We studied the effect of sarpogrelate (specific 5-HT_{2A}) receptor antagonist in streptozotocin diabetes Type I and Type 2 diabetic rats and established the beneficial effects of sarpogrelate on cardiovascular dysfunction and also showed mechanism of action as the increased expression of GLUT-4 expression based on the

results. It is suggested that 5-HT_{2A} receptors can be looked upon as a novel target to develop newer anti-diabetic drugs to prevent cardiovascular complications.

Having developed expertise in identification of drug targets (receptors and post receptor mechanisms) and the confidence of clinicians for the extension of the basic animal experiment based research work in clinical settings, we started to develop formulations for trace elements and herbal based drugs. One of the formulations developed was with chromium and insulin. (Patent No. 208600 dated 2-8-2007).

6. Research on herbal Medicines in Diabetes

Activity guided herbal drug research has been one of the strategies with which we a started work on the plant *Enicostemma littorale* we could isolate active compound from *Enicostemma littorale* and studied anti-diabetic activity. *Enicostemma littorale* was shown by us to possess anti-diabetic activity not only in Type I and Type II diabetic rats but also in Type 2 diabetic patients. Later they separated the active principle swertiamarin and showed exactly the same effects as observed in clinical settings and experimental models. We were the first to separate the compound in large quality and by simple and fast method and study its anti-diabetic activity and anti-hyperlipidemic activity. This compound has been proposed to be the lead compound to develop newer anti-diabetic drugs. Further, it provided newer targets and newer lead compounds from plants for anti-diabetic activity

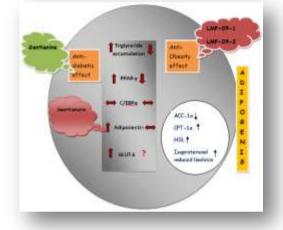
Having established 5-HT receptors as the target, common herbal preparation, the aqueous extract and the juice of *Zingiber officinale* (Adhrak in local language) was studied for anti-diabetic activity. The work was done in both Type I and Type II diabetic rats. Further the extract was also studied for the interaction with 5-HT on hyperglycemia. For the first time we established that ginger possesses anti-diabetic activity by virtue of the active constituents modulating 5-HT receptors either as agonists or antagonists or both. This is a new lead from the herbal drug development of the newer anti-diabetic drugs.

Like 5-HT, DA, is another neurotransmitter whose link with diabetes mellitus has not been established clearly. Association of diabetes mellitus with kidney dysfunction is known. Similarly, involvement of dopamine in renal dysfunctions is known but drug producing antidiabetic effect through dopamine was not established. We established the effect of fenoldopam in diabetes linking directly dopamine receptors in diabetes again-projecting lead to develop newer drugs. Taking it further, we studied the effects of *Moringa olefera* (a plant known to have L-DOPA and used in Parkinson's disease) in diabetic animals and results were encouraging.

For the research in *Enicostemma littorale* in 1998, we took an approach of 'Reverse Pharmacology' i.e. to start with clinical studies first in collaboration with Ayurved Physicians. The 'ghanavati of Mamejwa (Enicostemma littorale) were available in the market. We got from Gujarat Ayurved Vikas Mandal, Jamnagar. We got encouraging results. In this connection, I will like to mention one experience of significance of negative results in research. As a student, Upadhyay was enthusiastic and most of the time used to report positive results with Mamejwa. But my sharp eye used to catch negative results in some patients. Whenever, I used to ask, he used to either avoid or get disappointed. One day his emotions burst out. He told 'Sir, 80% patients are showing positive results and you never appreciate these but you always point the negative ones'. I asked strictly to give all details of those patients. On analysis we found that those patients who were not showing responses belonged to Type 1 diabetes. Then I explained that with this analysis you can now feel that the product will be use full in Type 2 diabetics only. Further, it was found that this drug reduced first lipids and not glucose giving a second clue that

it is more effective in Type 2 diabetics with dyslipidemia. *Enicostemma littorale* with its lead compound Swertiamarin has a strong potential for the following reasons:

- a. Indications from the ancient literature for its antidiabetic activity
- b. Similarity with that both *Galega officinale* (source of metformin) as well as *Enicostemma littorale* (source of Swertiamarin) have been indicated in malaria and hence likely to have actions on liver.
- c. Relation of Diabetes with liver.
- d. Effectiveness in in diabetic patients considering a 5 year follow up study.
- e. Swertiamarin was found to be effective in Zuker f/fa rats.
- f. Successful preparation of capsules as well as tablets for *Enicostemma littorale*.
- g. Effectiveness of Swertiamarin to prevent cardiovascular complications



Summary of effects of swertiamarin and its derivatives on 3T3-L1 cells

7. Precision Medicine

The concept of personalized medicine is suggested to be utilized for the translational drug discovery approach by the industry in the premise of precision medicine. Precision medicine aims to integrate both clinical and molecular information in order to better understand the biological basis of disease and therefore select better disease targets. This is one of the most important, unexplored hidden potentials for India for new drug discovery. To describe this trends required another chapter to be written and will be out of scope of this article. This was done in patients who had Steven Johnson syndrome and identification of gene polymorphism with respect to HLA 8B in a population in Gujarat from a Patidar community presented with exaggerated responses to carbamazepine and inflammatory symptoms of Chikun gunia. This paper when published was conferred with Indian Association of Dermatologists, Venereologists and Leprologists' Dr. L. Bishnupriya Debi Award for the Best research Paper in Indian Journal of Dermatology and Venereology 2010

Now as the Vice Chancellor, I have established the Centre form Precision Medicine and pharmacy in the University.

8. Translational Phyto-pharmacological Research for Developing Formulation for COVID-19 (CoroQuil-Zn)

The pandemic of COVID-19 caused by Severe Acute Respiratory Syndrome Coronavirus-2, also called Novel Corona Virus (SARS-CoV-2), and challenged survival of the

humanity. Clinical reports of the patients and mortality cause analysis of the deceased patients by the US and from various parts of the world have revealed that cardiovascular disturbances, including hypertension and thrombotic events, diabetes, and acute respiratory distress, emerged as comorbidities

The main molecular link of these morbidities and COVID-19 prognosis appeared to be angiotensin-converting enzyme-2 (ACE2) and Open Reading Frame protein (ORF8) that induce viral multiplication, cytokine surge, inflammation, thrombotic events, embolism, apoptosis of Type 1 & 2 cells in alveoli. We fondly described the COVID-19 as the "Virus induced Cardiovascular Pulmonary Disease"

We made a maiden attempt to discover the drugs interacting with RAS and identify the lead compounds from herbal plants using a silico molecular docking approach. Both host ACE2 and viral RNA-dependent RNA polymerase (RdRp) and ORF8 appeared to be the primary targets for the treatment of COVID-19. Amidst uncertainities with available antiviral drugs therapies we developed CoroQuil-Zn for the treatment of Covid-19 with, *Solanum nigram and Acalypha indica* as the key plants for SARC CoV 2 induced COVID 19. Clinical Trials were also completed. The SLA, Chennai approved the formulation for the support of respiratory and other complications



Development of CoroQuil-Zn in COVID-19

Impact of the Work done

Dwelling upon the understanding of the mechanism of action of various drugs and biogenic and investigation into the alterations of status of receptors and post receptor mechanisms, one can develop newer and safer drug molecular. Further establishment of simple animal models for insulin-resistance and hyperinsulinaemia will help in investigation of newer and safer drugs including those from herbal sources for the treatment of diabetes mellitus.

The work on the choice of antihypertensive agents in patients with co-existence of diabetes-mellitus has a direct clinical relevance for the use of antihypertensive in such patients. Working on various alterations during diabetes mellitus, Dr. Goyal found that hypothyroidism is associated with diabetes mellitus. Correlating this with altered digoxin levels, he reported that diabetic patients have higher digoxin levels, which might be even crossing the toxic limits. Such a finding has helped many physicians to save patients from digoxin toxicity which otherwise was taken as the infectiveness of the digoxin effects.

It has been hypothesized that there is a link among diabetes-mellitus, stress, and the neurotransmitters 5-hydroxytryptamine and dopamine. This has provided a new leads for development of newer drugs. Utilization of the some of these leads in herbal research will enhance the potential of research for new-drug development for diabetics.

It has been possible to develop new drug formulations that may see the light in market.

SOME ADMINISTRATIVE DECISIONS AS VICE CHANCELLOR, DPSRU

- Connecting to Stavropol Medical State University, Russia, University San Malaysia, Hunan University, Changasha and Walailak University, Thailandfor Research Collaboration
- 2. Statutes, and Ordinances prepared and finally published in the Gazette
- 156 New Teaching and Non-teaching posts sanctioned & over 50 new recruitments already done
- 4. Over 16 new courses started in 5 years
- 5. Culture of Research, Innovation and incubation developed in the University
- Insentivization for the research started with research Award function for publications Patents and grants obtained by the faculty
- DSIR-CRTDS sponsored Centre for Advanced Formulation development with 8.3 Cr Grant started
- 8. DKDF sponsored Centre for Precision Medicien started with %cr Grant
- 9. 16 Start ups in DPSRU Incubation and Innovation Foundation out of which 5 are ready for the product marketing
- 10. 1st time in India Oral Nutraceutical Formaulation for Critical Care patients developed and launched in the marketing.
- 11. Herbal Formulation for the COVID 19 targeting ACE 2 launched and it is 1st of its kind in the world
- 12. 1st in India the B. Sc. (Sports courses) different than usual considering the Sports as the Industry
- 13. 1st in India courses of B. Sc. (Sports Sciences), linked to Yoga, Physiotherapy and Pharmacy
- 14. BIONEST Centre of BIRAC, DBT being established especially for new Formulation Development
- 15. Precision Medicine and Pharmacy Centre, beig n developed as the 1st in India in any Pharmacy institute

SOME ADMINISTRATIVE DECISIONS AS VICE CHANCELLOR at, MSU, Vadodara

Some important administrative decisions taken as the Vice Chancellor at the University are as follows:

1. **Honor the Donor:** It came to my notice from the media that one of the personality who donated Rs.1.0 crore to the MSU for the development of Center for Biotechnology research, told that this was the biggest mistake of his life. I personally went to his residence and listened to his grievances. I came to know that the progress of the work was slow for setting up lab, the lecture series could not be started and the appointments were not done for the research work. I immediately gave orders to speed up the process and the lecture series could start with none other than the Nobel Prize winner Dr Venky Ramakrishnan.

This was one of the initiative to attract more donations and after my completion of the tenure, I was happy to see that the next Vice Chancellor started special program to honor all the donors.

2. Ph.D. result declaration and implementation of UGC mandate for Ph.D.

It was a tradition that after the completion of Ph.D. Viva, the examiner's reports used to be presented in the syndicate (Executive council) for approval. Because of this there used to be not only the delay but also leakage of reports to the extent that media used to know more about the comments. This was an embarrassment to examiners as well as university. I changed the policy defending even the rule that was shown to me. This came out to be blessings to almost 100 Ph.D. coming out every year.

After the declaration of the Ph.D. regulation Act, while most of the state universities were struggling, by giving special administrative orders through a committee constitute we could implement immediately and the Ph.D. courses continued without any problems.

- 3. Bringing together the leaders for the cause of university: University was to get the committee for the 12th plan from UGC for taking decisions for the additional allocation of funds and there occurred disturbances including agitation and strikes on an issue of centralized admission for Diploma courses of the University Polytechnic. Although, it was a government order but for the leaders of ABVP an NSUI, it was an ego issue. Nothing was working to resolve the problem. I called upon a meeting of top leaders of both the sides and requested in the interest of the university. To my surprise it was taken positively and the agitation was withdrawn.
- 4. Respect to the decision of Selection Committee: During three years about 200 new appointments were done along with many promotions.
- 5. Purchase of computers under special powers of VC: It was over three years that the university could not purchase computers required in various schemes obtained by the teachers. This was mainly because of the decisions of purchase committee and syndicate. To use special power in such case was risk. The committee was appointed with one external IIT professor and with careful interpretation of rules the order was given and there was no after effect.
- 6. Termination of staff without termination order and suspension with suspension order: One of the Director's at center in the university was caught for keeping liquor in his room. He was arrested by police. There was a pressure from senate to issue suspension order immediately. I noticed that his appointment as Director is getting over after 4 days. Somehow with all political pressure, I passed the time and he got terminated from the services without any order as He was not suspended. Suspension could have coated 50% pay and cost for court case for years together.

MAJOR CONTRIBUTIONS TO MSU AS VICE CHANCELLOR

- Encouraging Research and Innovation in the University: Instrumental in getting over 80 Crores Grants to MSU, Special programs for getting Research Funds and Scientific writings organized. 32 MOUs signed to have collaborations with Research Institutes and Industries of India and other countries for collaboration. Many faculty members visited abroad for the academic interaction including a group of artist from performing arts to Durham University, UK.
- 2. Teaching Reforms: Preparation of Gujarat Model for Choice Based Credit System with MSU as nodal place; Establishment of New Faculty (Pharmacy) & New Departments like Environmental Sciences; Starting of Orientation Program at University Entry level for large Faculties like Commerce; 5 new postgraduate courses and 22 new Certificate Courses introduced.
- 3. Showcasing the legacy and distinguished features of the University by preparing and releasing '60 reasons why I like MSU, 'Explore MSU as the Tourist destination and 'Nostalgic memories of MSU'. Because of this, Mega International Conference on Buddhism (Jan 2010), West Zone Vice Chancellor's Conference (Oct 2010), International Conference on Themes of Higher Education: Prospects of Gujarat (Nov. 2010) and 4th World Congress of International Academy of Cardiovascular Sciences (Feb. 2011) were held besides over 200 conference and seminars in three years. These also culminated further in the form of Alumni reunion 2013.
- 4. **Infrastructural developments:** 15 new building and structures got inaugurated, over 20 building works started.
- 5. Encouragement and Administrative support to the faculty members for research by: Imparting lectures, organizing symposium on research and scientific writing, giving annual awards. Decentralization of Power to Deans Implementing Effective Computerization; Training for Accounts System Hands on Computer training for Enhancing Office Management Skills; Training imparted to non-teaching staff by Internal Quality Assurance Cell; Initiation for Computerization of Admission Process to Pre-examination & Examination Process and Digitalization of Old Records
- 6. Development of Culture of Discipline with the emphasis that 'Rules cannot be overruled'.

Bringing Transparency in the appointment of staff, Regularization of accounts, Decrease in political interference and fast disposal of the work at the office level bringing confidence of the researcher and teachers

7. Re-Accreditation of the University by NAAC, Bangalore

SOME CONTRIBUTIONS AT DPSR-UNIVERSITY

SOME ADMINISTRATIVE DECISIONS AS VICE CHANCELLOR, DPSRU

- Connecting to Stavropol Medical State University, Russia, University San Malaysia, Hunan University, Changasha and Walailak University, Thailandfor Research Collaboration
- 2. Statutes, and Ordinances gazetted for the University
- 3. 66 New Teaching and Non-teaching posts sanctioned and over 60 % recruited
- 4. Culture of Research, Innovation and incubation developed in the University
- 5. 16 Start ups in DPSRU Incubation and Innovation Foundation out of which 5 are ready for the product marketing
- 6. 1st time in India **Oral Nutraceutical Formaulation** for Critical Care patients developed and launched in the marketing.
- 1st In India a Herbal Formulation targeted to the ACE-2 inhibition for Corona virus with antiviral activity proved in vitro and Clinical Trials completed and then product release in the market
- 1st in India the B. Sc. (Sports courses) different than usual considering the Sports as the Industry
- 1st in India courses of B.Sc (Sports Sciences), linked to Yoga, Physiotherapy and Pharmacy
- 10. **BIONEST Centre of BIRAC, DBT** being established especially for new Formulation Development
- 11. **Centre of Precision Medicine and Pharmacy** with the Financial aid of Delhi Knowledge Development Foundation (DKDF, DTTE, Govt. of NCT of Delhi
- 12. Number of Courses increased from 7 to 21 and the student's strength from 431 to1517 and to 2000plus in coming years
- 13. World Class Skill Development Centre

CURRICULUM VITAE IN DETAIL

Biographical Name	Prof. Ramesh K. Goyal, Ph.D. FIC, FICN, FIPS, FAMS, FIACS, FSCH, FNASc, FISVPT
Address	Office: Vice Chancellor Delhi Pharmaceutical Sciences and Research University M. B. Road, Opp. Sainik Farm Gate 1 NEW Delhi 110017, INDIA E-mail: vc@dpsru.edu.in : goyalrk@gmail.com; wwwdpsru.edu.in Cell +91 9825719111 Residence: D-175, UGF, Saket, Saket, New Delhi 110017
Nationality	Indian
Date of Birth	October 22, 1955

Educational Qualifications:

Degree	Institution/University	Field/Subjects	Year
Ph. D (Pharmacy)	Gujarat University Ahmedabad	Pharmacology	1983
M. Sc. (Medical)	Govt. Medical College, M.S. University, Baroda	Pharmacology	1977
B.Sc. (Hon.) Faculty of Sciences, M. S. University, Baroda		Zoology, Botany and Chemistry	1974

Professional Experience:

Duration	Institution	Post held/ Nature of work	
2016-till date	Delhi Pharmaceutical Sciences and Research University	Vice Chancellor (Second Term)	
2014-2016	V ClinBio Labs, Sri Ramachandra University, Chennai	Executive Director	
2013-2014	Institute of Life Sciences, School of Science & Technology, Ahmedabad University, Ahmedabad	Distinguished Professor	
2011-2012	SPP School of Pharmacy & Technology Management, NMIMS Universioty, Mumbai,	Director (Pharmacology & Clinical Reserarch)	
2011-2011	I.S.F. College of Pharmacy, Moga	Director	
2008 -2011 The Maharaja Sayajirao University of Baroda		Vice-Chancellor	
1995-2011	L. M. College of Pharmacy, Ahmedabad,	Professor	
1983-95	L. M. College of Pharmacy, Ahmedabad	Associate Professor	
1981-83	L. M. College of Pharmacy, Ahmedabad	Lecturer	
1979-81	L. M. College of Pharmacy, Ahmedabad	Tutor	
1978-79	L. M. College of Pharmacy, Ahmedabad,	Demonstrator	
1984-1985	University of British Columbia, Vancouver B.C. Canada	Post-doctoral Research	
1995 University of British Columbia, Vancouver B.C. Canada		Visiting Scientist	
1999, 2001 Institute of Cardiovascular Sciences, Uni.			
1999, 2001	Institute of Cardiovascular Sciences, Uni.	Visiting Professor	

Research grants

(Before becoming the Vice-Chancellor at M. S. University of Baroda)

	Tenure	Agency	Field of Research	Amount (Rs.)
1.	1988-1991	Council of Sci. & Ind. Res. (CSIR), India.	Antihypertensives Diabetes mellitus Cardiomyopathy	3,00,000/-
2.	1989-1992	Human Resources Development (HRD) New Delhi, India.	Autonomic Pharmacol.	8,00,000/-*
3.	1993-1995	HRD, New Delhi	Bioavailability & Toxicological testing	5,00,000/-
4.	1993-1995	CSIR, New Delhi	ACE inhibitors In Diabetic cardiomyopathy	3,00,000/-
5.	1993-1995	CSIR, New Delhi	Antihyperlipaemic drugs (Synthetic)	2,50,000/-
6.	1993-1995	HRD, New Delhi	Cardiovascular Pharmacology	8,00,000/-*
7.	1999-2002	GUJCOST, Gandhinagar	Herbal antidiabetics	1,00,000/-
8.	1998-1999	AICTE, New Delhi	Diabetes mellitus	8,00,000/-
9.	2001-2003	DST, New Delhi	Herbal Antidiabetics	12,00,000/-
10.	2002-2004	UGC, New Delhi	5-HT & Herbals Medicines New antidiabeticsMolecular Biology	6,70,000/-
11	2002-2004	AICTE, New Delhi		9,00,000/-
11.	2004-2005	GUJCOST, Gandhinagar	Herbal antidiabetics: Clinical study	1,00,000/-
12.	2004-2007	AICTE, New Delhi	NAFETIC Scheme	50,00,000/-
13.	2006-2009	DST, New Delhi	Diabetes, Herbal	15,75,000/-
14.	2006-2009	DST, New Delhi	Diabetes, Herbal	11,00,000/-
15.	2008-2009	AICTE, New Delhi	Modernization of Lab	13,00,000/-
			Total	1,63,20,000/-

Distinguished Experiences & Achievements (Excluding those as Vice Chancellor)

- 1. Member, Search Committee (Governor's Nominee) of V.C.for North Gujarat University
- 2. Member, Technical Review Committee, Indian Council of Medical Research, New Delhi
- 3. Research Schemes Obtained and Executed from CSIR, UGC, AICTE, DST, GUJCOST, ICMR and Industries about worth Rs 1.6 crores in individual Capacity
- 4. Chief Co-ordinator, Center for Advanced Cardiovascular and Diabetic Research, a National Facilitiy in Engineering & Technology with Industrial Collaboration (NAFETIC), under All India Council for Technical Education, New Delhi,
- 5. Obtained Senior Research Fellowships for FIVE Ph.D. students

6. Organizing Secretary/ Conference Director* of:

- 1982 First Annual Meeting of Indian Pharmacological Society
- 1989 First Western Regional Conference of Indian Pharmacological Society
- 1991 24th Annual Conference of Indian Pharmacological Society
- 1992 Third Annual Convention of Gujarat Pharmacy Teacher's Association
- 1997 International Symposium on Emerging trends in Diabetes mellitus and Hypertension
- 2002 First GUCOST sponsored State Level Paper Presentation Competition in Pharmaceutical Sciences
- 2004 Joint International Conference of International Academy of Cardiovascular Sciences and International Society for Heart Research (Indian Sections) in Jan 2005
- 2005 Fifth Annual Conference of Society of Pharmacovigilance (India)
- 2007 NAMS sponsored Workshop on Clinical research
- 2008 International Symposium Translational Research in Cardiovascular Sciences from Bench to Bedside and Vice-Versa
- 2011 National Conference of Asociation of Pharmaceutical Teachers of India, Moga
- 2011 Annual Youth Festival of Panjab Technological University
- 2012 DST INSPIRE Program at NMIMS University
- 2012 International Conference of Cardiovascular Disease & 22nd Annual Conference of Indian Society of Hypertension
- 2012 Indo Canadian Symposium on Omega Fatty acids and Flax
- 2013 Symposium on Trends in Biotechnology
- 2013 DST INSPIRE Program at Ahmedabad bUniversity

7. Co-Ordinator, Ph.D. Program S.P. University

- 8. Nominee of AICTE for Governing Body of A.R. College of Pharmacy, G. H. Patel Institute of Pharmacy (Vallabh Vidhya Nagar) and Anand Pharmacy College Alos at many other colleges in Gujarat
- 9. Member, Board of Studies, North Gujarat University, Saurashtra University, S. P. University,
- **10.** Expert Committee Member for All India Council for Technical Education for various Pharmacy colleges
- 11. Professor Incharge of several academic or Extra-curricular activities of the college
- 12. Member of Selection Committee for several colleges,
- 13. Inspector (AICTE) for various Pharmacy colleges
- 14. Member, Local Inspection Committee, Gujarat University
- **15.** Chief Guest: Agrawal Seva Samaj, Vadodara in 1997, Annual Day Program of some colleges, in Gujarat as well as Tamil Nadu
- 16. Trustee, Agrawal Yuva Seva Sangh, Ahmedabad
- 17. Guest Speaker, Medical Awareness Program (2003), Lions Clubs International

AWARDS, HONOURS AND FELLOWSHIPS (CURRENT)

(Total 78 Awards excluding those to student presentations)

Fellowships:

- 1987: Fellow of Institution of Chemists (India) (FIC)
- **1999:** Fellow of Indian Pharmacological Society (FIPS)
- 1999: Fellow of International College of Nutrition (FICN)
- 2000: Fellow of National Academy of Medical Sciences, India (FAMS)
- 2002: Fellow of International Academy of Cardiovascular Sciences, (FIACS)
- 2006: Fellow of National Academy of Sciences (Allahabad), (FANSc).
- 2006: Fellow, Indian Society of Hypertension (FISH)
- 2010: Fellow Specialist of Clinical Hypertension (FSCH)
- 2017: Fellow of Diabetes India, The Research Trust of Diabetes, India (FDI)
- 2018: Fellow of Indian Society of Vetenerian Pharmacology and Toxicology (FISVPT)

International:

1.	2000	Medal of Merit, XVII World Congress of International Society of Heart Research,
		Winnipeg, Canada
2.	2005	Distinguished Service Award in Cardiovascular Sciences, Medicine and Surgery by
		International Academy of Cardiovascular Sciences, Winnipeg, Canada
3.	2007	Life time Achievement Award in Cardiovascular Sciences, Medicine and Surgery
		by International Academy of Cardiovascular Sciences, Winnipeg, Canada
4.	2014	Life time Achievement Award by Indo-Global Foundation, Inc., USA
5.	2015	Dr. Franz Haldberg Medal from The International College of Cardiology & Society
		of Chronobiology
6.	2018	Diplom of the Honorary Profesor, Stavropol Medical State University, Russia
		(Second Foreighner in 80 Years)
7.	2020	Distinguished Leadership Award in Cardiovascular Sciences, Medicine and Surgery
		by International Academy of Cardiovascular Sciences, Winnipeg, Canada
8	2022	Ken Bowman Award by Institute of Cardiovascular Sciences, Winnipeg
		(Announced but Not Received)

B. Distinguished Awards:

1.	1984	B.C. Heart Foundation Research Fellowship at the University of British		
		Columbia, Vancouver, Canada.		
2.	1990	Dr.S.C. Verma Memorial Award for the best research paper presented at		
		All Gujarat Annual Meeting of Indian Pharmacological Society		
3.	1993	R. K. Desai Award for the best paper presented in the Annual Conference		
		of the Gujarat Association of Physicians held at Surat.		
4.	1996	Dr. O. D. Gulati Oration given at Vadodara Branch of Indian		
		Pharmacological Society		
5.	1998	Prof. R. Wegmann Oration of Indian Society.of Hypertension		
6.	1999	Award of Millennium for outstanding contribution cardiovascular		
		Sciences by International College of Nutrition		
7.	2002	B. Uvnas Prize for the best Research paper published in the field of		
		Biogenic amines and autacoids given by Indian Pharmacological Society		
8.	2004	Pharmacy Teacher of the Year award by Association of Indian Pharmaceutical		
		Teachers of India, at Vishakhapatanam		
9.	2004	Agra Ratna by the All Gujarat 16grawal Conference for the outstanding		
		contributions in Education (Award conferred by the Governor of Gujarat)		

10.	2005	Prof. S. C. Lahiri Oration Award by the Indian Pharmacological Society, Chennai	
11.	2006	P.D. Sethi Award for the best paper in Pharmaceutical Analysis	
12	2007	Dr. (Mrs) Manjushree Pal Memorial Award for the best Pharmaceutical Scientist	
		by APTI	
13	2011	Dr. Mrunalini Devi Oration, , The M S University of Baroda	
14	2011	Dr. H.R. Derasari Oration, Ahmedabad	
15	2014	Prof. G.P. Shrivastav Memorial Lecture, APTI, Pune	
16	2016	Dr Ansari Sabir Oration. 16 th ISVPT, Navsari,	
17	2017	Prof. K. N. Udupa Award by IASTAM, Varanasi	
18	2017	8 th Dr M. rajani Oration Shri B. V. Patel PERD Center, Ahmedabad	
19	2017	Shikshak Shri Award, Rashtriya Samta Swatantrata Manch, Indo-Nepal	
20	2017	Life time Achievment Award, Ludhiana	
21	2018	Prof. Manjit Singh Oration, ISHR, India, Chandigarh	
22	2018	Life Time Achievement Award,	
23	2018	John Autian Oration, Society of Pharmacovigilance (India)	
24	2018	Prof. M. L. Shroff Oration, APTI, Jaipur	
25	2019	Pharma Ratan Award, NewDelhi	
26	2020	Lifetime Achievement Award in Engineering, Science and Medicine by VDGOOG	
		Professional Association, Chennai	
27	2020	APP Dynamic Professional Award Award	
28	2022	Sardar Jashwant Singh Rail Memorial Lecturership Award, with Rs 25,000/- cash Guru Nanak Dev University, Amritsar	
29	2023	Distinguished Educationist Award by LMCP Alumni Association & Research	
		Society	
29	2023	Life Time Achievement award as Distinguished Pharmacy Pharmacologist by	
		Indian Pharmacological Society	
30	2023	Life Time Achievement Award as Pharmacy Teacher ist by Lloyd Group of	
		Institutions, Greater Noida, UP	
31	2023	National Health Icon WHO Diamond Jubilee Year Award 2023 by Delhi Medical	
		Association as Legendary Medical-Pharma Professional in the field of Educator &	
		Administrator	
32	2023	Prof. G. Bhagwant Memorial Lecture Award, APTI, Lucknow	
33	2023	Scrol of Honour, Society of Endocrinology and Reproductive Biotechnology	

C. Awards for Published Papers by the Professional Societies

- P. P. Suryakumari Prize of Indian Pharmacological Society for the best Research paper published in the field of Diabetes mellitus Received for 5 different research papers in 1994, 1996, 1997, 1998, and 2003
- N. N. Dutta Prize/Jaipur Prize for the best research paper published in the Indian Journal of Pharmacology (The prize given by Indian Pharmacological Society).
 Received for 4 different research papers in 1981, 1988, 2000, and 2003
- HariOm Ashram Prerit Bhaikaka InterUniversity Smarak Trust Prize for the best papers published by Pharmacy Teacher from the Gujarat State Universities Received for 8 different research papers in 1987, 1989, 1990, 1995, 1997, 1998 1999, and 2002
- 4. Prof. V. Santaram Prize for the best Research paper published Indian Journal of Hypertension. (the Prize given by the Indian Society of Hypertension (in 1997)

5. Indian Pharmacological Society Ahmedabad Branch Prize for the best Research paper published by any pharmacologist of Gujarat

Received for 6 different research papers in 1987, 1989, 1992, 1997, 1999, 2002

6. Indian Association of Dermatologists, Venereologists and Leprologists Dr. L. Bishnupriya Debi Award for the Best research Paper in Indian Journal of Dermatology and Venereology& Leprology 2010

Besides above mentioned Awards various students of the nominee got the paper presentations Prizes (with the nominee as the co-author) in various conferences of the Professional Academic Societies like:

- 1. Indian Pharmacological Society
- 2. Indian Society of Hypertension
- 3. International Society of Heart Research (Indian Section)
- 4. Gujarat Council on Science and technology
- 5. Indian Pharmaceutical Congress Association

Books/ Patents

- PRACTICAL ANATOMY PHYSIOLOGY AND BIOCHEMISTRY : **R. K. Goyal**, and N. M. Patel B. S. Shah Prakashan, Ahmedabad 2023-24 (21st Edition)
- Derasari and Gandhi's ELEMENTS OF HUMAN ANATOMY PHYSIOLOGY AND HEALTH EDUCATION : R. K. Goyal, A. A. Mehta, G. B. Shah, B.M. Patel B. S. Shah Prakashan,, Ahmedabad; 2022-23 (31st Edition)
- Derasari and Gandhi's ELEMENTS OF PHARMACOLOGY:
 R. K. Goyal, A.A.Mehta, R. Balaraman, & M. D. Burande, B. M Patel B. S. Shah Prakashan Ahmedabad, 2022-23 (26th Edition)
- PRACTICAL BIOCHEMISTRY AND CLINICAL PATHOLOGY:
 R. K. Goyal, N.M.Patel and S.A.Shah
 B. S. Shah Prakashan, Ahmedabad 2010-11 (8th Edition)
- Merchant and Qadry's A TEXT BOOK ON HOSPITAL PHARMACY: **R. K. Goyal and R. K. Parikh** 2022-2023 (19th Edition) B. S. Shah Prakashan, Ahmedabad.
- PRACTICALS IN PHARMACOLOGY:
 R. K. GOYAL Asso Eds.:N.M.Patel,R.V.Bhatt and A.A.Mehta
 B. S. Shah Prakashan, Ahmedabad 2018-2019 (13th Edition)
- Basics of Community Pharmacy and Health Education
 R. K. GOYAL, P.A. Bhatt and P. Kumar
 B. S. Shah Prakashan, Ahmedabad 2013-14 (5th Edition),
- Basics of Human Anatomy and Physiology
 R. K. GOYAL, B. S. Shah Prakashan, Ahmedabad 2007-08 (3rd Edition),
- Elements of Clinical Pharmacy
 R. K. GOYAL, P.A. Bhatt and Mahesh D. Burande
 B. S. Shah Prakashan, Ahmedabad 20120-21 (9th Edition),
- Basics of Human Pharmacology.
 R. K. GOYAL and Anita A. Mehta B. S. Shah Prakashan, Ahmedabad 2006-07 (2nd Edition),
- Basics of Hospital and Clinical Pharmacy
 R. K. GOYAL B. S. Shah Prakashan, Ahmedabad 2008-2009 (2nd Edition),
- Practicals in Medicinal Chemistry
 R. K. GOYAL, H. G. Bhatt and B. R. Goyal
 B. S. Shah Prakashan, Ahmedabad 2008-09 (2nd Edition),
- PHARMACOLOGY IN HEALTH CARE: **R. K. Goyal**, Proceedings of 24th Annual Conference, Indian Pharmacological Society, Ahmedabad. India. 1992.
- 14. Proceedings of the International Symposium on Emerging Trends in Diabetes mellitus and Hypertension **Goyal R.K.** and Lokhandwala M.F. Clinical and Experimental Hypertension Volume 21 No.1 and 2 1999, **Marcel Dekkar Publications U.S.A.**
- Topics in The History of Pharmacology Patil P. N., Gulati O. D. ,Balaraman R., Goyal R. K., B. S. Shah Prakashan, Ahmedabad 2005
- Herbal & Allopathic drugs: Evaluation in Learning & Memory enhancement Shah JR Goyal RK LAP LAMBERT Academic Publishing; 2012

- Acne Vulgaris Associated With Polycystic Ovary Syndrome (PCOS) Israni D., Goyal R.K.
 LAP LAMBERT Academic Publishing; 2012
- Quality control parameters of anti diabetic herbal formulations PM Patel, RK Goyal LAP LAMBERT Academic Publishing; 2012
- C.S.Shah's PHARMACOGNOSY,
 R. K. Goyal, D. Chanundeeswari, T. Kumaran, B. M Patel, Babita Agrawal
 B. S. Shah Prakashan Ahmedabad, 2017-18
- 20 PHYSIOLOGY FOR PHYSIOTHERAPY
 R. K. Goyal, B.M. Patel and Shilpa Jain
 B. S. Shah Prakashan Ahmedabad, 2021-22 First Edition
- 21 CHEMOTHERAPEUTICS AND BIOINFORMATICS IN THE PHARMACEUTICAL SCIENCES N. Sharma, H. Ojha, P.K. Raghav, R. K. Goyal Acasdemic PressElsvier, Inc. USA, 2021
- 22 DRUG REPURPOSING FOR EMERGING INFECTIOUS DISEASES AND CANCER R.C. Sobti, S.K. Lal and R.K.Goyal Springer Nature Singpore 2023

LIST OF PATENTS FILED/GRANTED

- Process of preparing an aqueous extract and pill from Enicostemma littorale Application No. 493/MUM/2001 dated 30th May 2002 Patent No. 196012 dated 9/9/2005 Gazette Ref. No. 34
- A novel swertiamarin compound and method of isolation of swertiamarin from plant Enicostemma littorale and its antidiabetic activity. (Application for the Process Patent) Application No. 1028/MUM/2003 dt 3rd Oct. 2003 Patent No 197900 dated 21/4/2006 Gazette Ref. No. 16
- A novel formulation of insulin with chromium and in anti-diabetic activity. No 1120/MUM/2004 dated 19th Oct. 2004
 Patent No 208600 dated 19/10/2006 Gazette Ref. No. 21
- 4 A novel process for isolation of 6-gingerol from plant Zingiber officinale, agent for Antidiabetic treatment (Application for the Process Patent) No. 460/MUM/2004 dated 16th Apr. 2004
- A novel process for isolation of 6-gingerol from plant Zingiber officinale, agent for Antidiabetic treatment (Application for the Activity Patent) No. 278/MUM/2005. Dated 14th Mar. 2005
- A novel swertiamarin compound and method of isolation of swertiamarin from plant *Enicostemma littorale* and its anti-diabetic activity. (Application for the Activity Patent) No. 279/MUM/2005. Dated 14th Mar. 2005
- 7. Substited Swetiamarin No.3243/MUM/2010 filed on 26.11.2010

8. Topical NanolipidicGel Formulation for Diabetic Foot Ulcer No. 201811042714

International Conferences (Attended abroad):

1.	1985	: FASEB Anheim, U.S.A.
2.	1985	: CFBS Toronto, Canada
3.	1990	: ISH Montreal, Canada
4.	1990	: IUPHAR Amsterdam, Netherlands
5.	1990	: Histamine Research, Noorduijkerhourt, Netherlands
6.	1994	: 15 th Sci. Meet ISH Melbourne Australia
7.	1994	: International Symposium on Renin Angiotensin System.
	1001	Sydney, Australia
8.	1996	: 16 th Sci. Meet ISH, Glasgow, U.K.
9.	1997	: XI International conference of Nephrology, Sydney, Australia
10.	1997	: Fifth International Symposium on Hypertension associated with
10.	1331	Diabetes-mellitus, Queensland, Australia
11.	1999	: First International Conference on Diabetes mellitus and
		Cardiovascular Diseases (As a Speaker in the symposium)
12.	2001	: XVII World Congress of International Society of Heart Research,
		Winnipeg, Canada (As a Speaker in the symposium)
13.	2002	: 19 th Sci. Meet ISH, Prague, Czech Republic
		Failing Heart, From Molecular Mechanisms to Clinical applications
		at Stara Lensa, Slovak Republic (As a Speaker in the symposium)
		& 22 nd European Meeting of International. Society of Heart Research,
		Hungary
14.	2006	: 2 nd World Heart Congress, Sapporo, Japan
15.	2006	: International Academy of Cardiovascular Sciences meeting, Winnipeg,
		Canada
16.	2008	: NATO sponsored International Workshop on Translational Research in
		Cardiovascular Sciences, Istambul, Turkey
17	2010	: 15 th World Congress on Heart Disease, Annual Scientific Sessions of
		InternationalAcademy of Cardiology, Vancouver, B.C. Canada (As a
		Speaker and Chairman in the symposium)
18.	2012	: 10 th World Congress of International Society of Adaptive Medicine (As a
		Speaker and Chairman in the symposium), Bucharest, Romania
19	2014	: 2 nd International Forum for promoting Centers of Excellence and
-	-	Young Investigators, International Academy of Cardiovascular
		Sciences, Winnipeg, Canada (As a Speaker and Chairman in the
		symposium)
20	2015	3 rd International Forum for promoting Centers of Excellence and Young
20	2010	Investigators, International Academy of Cardiovascular Sciences,
		Winnipeg, Canada (As a Speaker and Chairman in the symposium)
21	2016	Annual Conference of IACS, European Section, Paris (Speaker and
21	2010	Chairman in the symposium)
22	2017	13 th Malaysian Pharmaceutical Society, Penang, Malaysia (As a Plenary
22	2017	Speaker)
23	2018	1 st International Conference of Pharmacy Practice, Shah Alam, Malaysia
20	2010	(Speaker)
24	2019	4 th International Conference of 4 th Industrial Revolutionnand its impact on
27	2013	Health sciences (Guest of Honor & Speaker)
25	2019	5 th Hunan International Bio-TCM Forum, Hunan, Changasha (Guest of
20	2013	Hunan international Bio-TCIM Forum, Hunan, Changasha (Guest of Honor & Speaker)
		HUHUI & Speaker

Other Conferences:

Regularly attending Provincial and National conferences in India **(about 5-9 per year)** in Pharmacology, Pharmaceutical Sciences, Hypertension, Heart Research and allied branches as delegate and **the Invited speaker or Chairperson**

Workshops/Staff Development Programs Attended

(Other than those in LMCP)

- 1976: Research Methodology in Pharmacology, IMS, BHU, Varanasi (26-28 Dec)
- 1977: Research Methods in Pharmacology, MAMC, New Delhi (27-28 Dec.)
- 1981: Neurotransmitters in Health and Disease, KGMC, Lucknow (9-14 March)
- 1987: Summer school on Neuropharmacology, Dept of Vety. Pharmacology, HAU, Hisar, (22June-11 July)
- 1988: CME on Clinical Pharmacology, NIMS, Hyderabad (28 Dec.)
- 1991: Current Trends Approaches for Receptor Studies in Neurobiology, CDRI, Lucknow (23-25 September)
- 1992: Workshop on newer perspectives on ion channels in cardiovascular system and trends in molecular and cellular cardiology (May 2-5)
- 1993: Update on Bioavailability and Bioequivalence, BCP, Mumbai (19-21 February)
- 1994: National Workshop on Emerging Trends in Pharmacology, Dept. of Pharm. Sci. Chandigarh (5-6 March)
- 1995: Workshop on Education Regulation-1991 and Orientation Program for the Teachers in Pharmacy, BN Coll Pharm. Udaipur (8-9 April)
- 1997: Drug Industry and Academic Pharmacology: Prospects of Collaboration, GMC, Jammu (6-7, 1997)
- Besides above programs **Almost all Summer/Winter Schools** of L. M. College of Pharmacy, Ahmedabad were attended as participant/Delegate/Resource Person, Organizer
- After 1997 most of the time it was the invitation to attend the program as the invited speaker to different places in India or abroad. List has been given separately

Recognition as Ph.D. Guide

- 1. Gujarat University, Ahmedabad
- 2. North Gujarat University, Patan
- 3. Saurashtra University, Rajkot
- 4. Guru Jambheswar University, Hisar
- 5. Bhavnagar University, Bhavnagar
- 6. The Maharaja Sayajirao University of Baroda, Vadodara
- 7. Gujarat Technological University, Ahmedabad
- 8. Uka Tarsadia University, Bardoli, Surat
- 9. Ahmedabad University, Ahmedabad
- 10. Delhi Pharmaceutical Sciences and Research University

Member, Government Bodies & Committees

- 1. Chairman, National Drug Testing Lab, Govt. of India, NewDelhi
- 2. Chairman, Endosulfan Committee, Ministry of Health, Govt. of Gujarat
- 3. Chairman, Oxytocin Committee, CDSCO, Govt. of India, NewDelhi
- 4. Scientific Advisery Committee, ICMR, New Delhi
- 5. Scientific Advisery Committee, Indian Pharmacopoeia, Faridabad
- 6. Adviser, Scientific, National Pharmacovigilance Center, IPC, Faridabad
- 7. Expert Committee on Herbal Drugs, ICMR, New Delhi
- 8. Project Review Committee (Basic Sciences), ICMR, New Delhi
- 9. Project Review Committee, GUJCOST, Gandhinagar
- 10. Project Review Committee, GSBTM, Gandhinagar
- 11. Member of Delegation of Vice Chancellors at Cambride University,UK
- 12. Member of Delegation of Association of Universities (Vice Chancellors) in Netherland and Scotland Universities

Member, Institutional Ethics Committee, CPCSEA (for Pre-clinical studies)

- 1. L. M. College of Pharmacy, Ahmedabad (1999-2008)
- 2. K. B. Institute of Pharmaceutical Education & Research, Gandhinagar (2002-2008)
- 3. Sarvajanik Pharmacy College, Mahesana (2006-2008)
- 4. G. M. Gandhi Pharmacy College, Modasa (2005-2009)
- 5. Cadila Pharmaceuticals, Dholka (2005-2008)

Member, Institutional Ethics Committee for Human Studies

- 1. Sterling Hospital, Ahmedabad (1999-2008)
- 2. SAL Hospital, Ahmedabad (2004-till date)
- 3. Heart Care Clinic Ahmedabad (2005-2009)
- 4. Ayurved Suraksha, GAAMA, Ahmedabad (2003-04)
- 5. Cadila Pharmaceuticals, Ahmedabad (2006-2008)

Member, Biosafety Ethics Committee, DBT Nominee (for Biotechnology products)

- 1. Zydus Pharmaceuticals, ZRC, Ahmedabad (2006-2010)
- 2. M.S. University of Baroda (2008-11)

	Date	Place	Title of the Lecture
1.	Jun. 1, 95	Vancouver B.C., Canada	Effect of various antihypertensive agents on cardiovascular complications in STZ-diabetic rats and hypertensive diabetic patients.
2.	Aug. 1, 95	Houston, USA	Effects of chronic treatment with various antihypertensive agents using streptozotocin diabetic model in rats and in diabetic hypertensive patients: A comparative evaluation.
3.	Sep. 27, 95	Winnipeg, Canada	Treatment of diabetic rats and patient with antihypertensive agents.
4.	Sep. 28, 95	Saskatoon, Canada	Role of antihypertensives in diabetes – Comparison of clinical and experimental data.
5.	Oct. 2, 95	Edmonton, Canada	A comparative evaluation of the effects of various antihypertensives in the STZ-diabetic rats and hypertensive diabetic patients.
6.	Oct. 9, 95	Columbus, Ohio, USA	Antihypertensive drugs in diabetic hypertensive subjects.
7.	Oct. 10, 95	Pittsburgh, PA, USA	A comparative evaluation of the effects of various antihypertensives in the STZ-diabetic rats and hypertensive diabetic patients.
8.	June. 17, 96	Detroit, USA	Choice of antihypertensives in Diabetes (IDDM and NIDDM): A comparison of experimental and clinical data.
9.	June 4, 99	Heart Conference, Winnipeg, Canada	Insulin Resistance and Cardiovascular diseases in Asian Indians
10.	Aug. 16, 99	Houston, U.S.A.	Pathophysiology and Pharmacotherapeutics of Diabetic Cardiomyopathy
11.	July 7, 2001	First World Congress of ASHR/IACS Winnipeg, Canada	Role of 5-HT _{2A} Receptors in Diabetes induced Cardiovascular Complications
12.	June 2, 2002	ISHR (European) Meet High Tetras, Slovak Republic	Role of ACE Inhibitors in the treatment of CAD patients with or without diabetes mellitus
13.	Jul 16, 2006	2 nd World Heart Cong.,Sapporo, Japan	Cardioprotection in Diabetes: some pharmacological considerations
14.	Sept 28, 2006	University of Saskatchewan	Newer strategies: Drugs and Devices in the Management of Patients with Heart Failure and Diabetes
15.	Oct. 15,2006	IACS Meeting, Winnipeg, Canada	Newer strategies in the usage of drugs and devices in heart failure patients with diabetes
16.	May 20,2008	Ankara University Turkey	Sub-cellular mechanisms in diabetic cardiomyopathy: Clinical and Experimental Research
17.	July 23,2010	University of Manitoba, Winnipeg, Canada	From Concepts to Reality: Medicinal plants for the treatment of Diabetes and Cardiovascular complications

Invited Lectures Delivered abroad

18.	July 25, 2010	15 th World Heart Congress, Vancouver, BC	Leads from Medicinal Plants-To Treat Diabetic Cardiomyopathy
19.	July 28,2010	Memorial Uni., NewFoundland, Canada	New drug entities from medicinal plants for the treatment of diabetes mellitus and cardiovascular complications
20.	May 30,2012	Uni. Of Manitoba, Winnipeg, Canada	Reverse pharmacology: An innovative trend in the new drug discovery
21.	June 4, 2012	Memorial Uni., NewFoundland, Canada	From concept to reality: Discovery of newer antidiabetic compounds
22.	Jun 10, 2012	10 th World Congress ISAM, Bucharest, Romania	Changing trends in the treatment of diabetic cardiomyopathy
23	Sept.5, 2014	2 nd Forum for Young Investigators, IACS, Winnipeg, Canada	Swertiamarin: A possible answer to diabetic Cariomyopathy
24	Sept,10, 2014	University of Montreal, Montral, Canada	Swertiamarin and Swertisin: New drug entities for the treatment of diabetes and cardiovascular complications.
25	·	Creigton University, Omaha, USA	Relevance of Personalized Medicine in the Management of Heart failure
26	Oct 2, 2016	IACS (European Section), Paris	Genome based diagnostics and therapeutics in cardiovascular complications: any light in the tunnel?
27	Sept. 25,2017	Stravopol Medical University, Russia	Going Beyond the Practice of Medicine, Dentistry & Pharmacy
28	Nov. 5, 2017	13 th Malyasian Pharm. Society & Uni. Sans Malaysia, Penang	Emerging Avenues in Pharmaceutical Sciences: Biopharmaceuticals and Molecular Diagnostics
29	April,19, 2018	Winnipeg, Canada	Cardioprotection through traditional systems of medicine: Clinical and Experimental Evidences
30	June 27, 2018	1 st ICOP, Sha Alam, Malaysia	Significance of Phytochemistry, Herbavigilance and Outcome Research in Pharmacy Practice
31	Sept 28, 2018	80 th Year Celeberations, Stravopol State Medical Univ. Russia	Safety Study of Regenerin and its Effectiveness in Animal Models of Diabetic Foot Ulcer
32	Mar. 26, 2019	International Conference on 4 th IR, Nakhon Si Thammarat, Thailand	Impact of 4 th Industrial Revolution in health sciences
33	Mar.31, 2019	Walailak University, Thailand	Development of Novel Drugs from Medicinal Plants to Combat Viral Diseases
34	Oct 22, 2019	Nanjing University, China	Changing Trends in Traditional Medicine-based New Drug Discovery & Development in the Era of 4 th Industrial Revolution
35	Oct 24 2019	Hunan University, Changasha	Glocalization for the Promotion of Traditional Herbal Medicines in Asian Countries through Phytopharmaceutical Drug Development Regulation

	36	23/9/2020 (Web)	University of Aveiro, Portugal	Development of protocol for the treatment of COVID-19 through herbal medicines
	37	7/10/2020 (Web)	7 th Intl. Congress on Health, Uni of Minho, Braga - PORTUGAL	Considering SARS-Cov-19 as Virus-induced Cardiovasculo-pulmonary Disease and Managing it the Asian way
	38	25/11/2020 (Web)	University of Aveiro, Portugal	Chromium III and Cardiovascular Diseases
	39	1/12/2020 (Web)	World AIDS Day, Uni. West Indies, St. Augustine, Trinidad	Role of Herbals in Covid-19 & Diabetes including AIDS
	40	2/12/2020 (Web)	APCORE 2020, Thailand & Phillipines	Regulatory Relaxations Across the World for New Drugs & Vaccines Discovery for COVID 19
	41	18/5/2022 (Web)	Volgaboard University, Russia	Development of Medicine for the Treatment of COVID- 19: A Success Story From <i>In-silico</i> to Clinical Usage
	42	28/6/2022	School of Pharm Sci., UCSI University, KL, Malaysia	Holistic Approach in Pharmaceutical Sciences Striving for Research Excellence
	43	29/6/2022	School of Pharm Sci., UCSI University, KL, Malaysia	Communicable Disease Shaking Hands with Non-communicable Diseases (Post Covid-19 Drug Discovery: New Challenges & Opportunities)
	44	29/6/2022	School of Pharm Sci., UCSI University, KL, Malaysia	Taking Product From Concept to Commercialization: A Target Dream for a Pharmaceutical Scientist
	45	7/9/2022	Inst. of Cardiovasc Sciences, Winnipeg, Canada	Emergence of Angiotensin Converting Enzyme-2 as a Novel Target for the treatment of Cardiovascular Complications
	46	11/3/2023 (Web)	UCSI University, KL, Malaysia	Connecting Precision Medicine with Nanothernostics: A Newer Research Opportunities in Medicine and Pharmacy
	47	5/5/2023 (Web)	University of Aveiro, Portugal	Prediction methods and Reverse-Engineering in the development of natural drugs for personalized medicine
- 1				

PROFESSIONAL ORGANIZATION MEMBERSHIP

Indian Pharmacological Society (Parent Body)

- 1982 : Member Executive Committee
- 1984 : Vice-President
- 1986 till date : Editorial Board
- 1991 : Organizing Secretary, 24th Annual Conference
- 1994-98 : Treasurer
- 1999 : **Fellow**

2002-2004 : General Secretary

- 2004-2007 : Immediate Past General Secretary (Ex-officio)
- 2009 : President

Indian Pharmacological Society (Ahmedabad & Delhi Branch)

- 1981 : Founder Secretary-cum-Treasurer
- 1982 : Organizing Secretary
- 1986 : Joint Secretary
- 1988 : Org. Secretary, Ist Western Regional Conference
- 1989 : Vice President
- 1992 : President
- 2021 : President

Indian Society of Hypertension

- 1992-94 : Joint Secretary
- 1994-98 : Secretary General
- 1998-99 : Vice President
- 2011-12 : President

International Academy of Cardiovascular Sciences (India Section)

- 2001-2008 : Treasurer (India Section)
- 2009 : Member, Board of Directors
- 2011-13 : Finance Secretary
- 2014-2021 : Vice President
- 2022- : President

Society of Pharmacovigilance (India)

- 2006-2008 : Chief Editor
- 2010-2011 : President

Association of Pharmaceutical Teachers of India (Gujarat Chapter) 2005-2007 : President

OTHER SOCIETIES:

- 1980 : Association of Pharmacy Teachers in India (Life member)
- 1980 : Fellow of Institute of Chemists (India)
- 1983 : Indian Science Congress
- 1982 : Association of physiologists and pharmacologists of India
- 1991 : Convener, Fourth All Gujarat Meeting of Gujarat Pharmacy Teachers Association
- 1992 : Life Member, Indian Society of Hypertension.
- 1993 : Life Member, International Society of Heart Research (Indian Section)
- 1995 : Member of National Academy of Medical Sciences
- 1997 : Indian Pharmaceutical Association, Life member
- 1998 : Society of Pharmacovigilance (India) General Secretary
- 1999 : Fellow of International College of Nutrition
- 2000 : **Fellow** of Indian Pharmacological Society
- 2001 : Fellow of National Academy of Medical Sciences
- 2002 : Fellow of International Academy of Cardiovascular Sciences,
- 2006 : Fellow, National Academy of Sciences (Allahabad)
- 2010 : Fellow Specialist of Clinical Hypertension (Indian Society of Hypertension)
- 2018 : Fellow of Indian Society of Vetenerian Pharmacology and Toxicology

LIST OF PUBLICATIONS IN REFEREED JOURNALS

No. Co-authors, Title, Journal, Volume, Year

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- 4. Goyal, R.K. and Verma S.C Adrenergic mechanisms in myometrium : Their relation with adenylate cyclase cyclic AMP. Ind J Pharmacol 12(3) : 141-147, 1980
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- Goyal, R.K., Verma S.C Studies on the effects of adrenaline noradrenaline and phenylephrine on the estrogen primed rat myometrium. Ind. J. Pharmac, 13 : 261-270, 1982
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- 13. Ahuja, G.B., Goyal, R.K. and Verma, S.C. Guinea-pig cardiac and ileal histamine receptors during hyperthyroid state. Ind J Exp Biol 20(6) : 479-480, 1982
- 14. Patel, U.P., Goyal R.K. and Verma, S.C. Effects of MK-212 on isolated guinea pig heart. Ind J Pharmacol 14 : 319-232, 1982
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- Ahuja, G.B., Goyal, R.K. and Verma, S.C. Hyperthyroid induced changes in the adrenergic receptor status in the guinea pig vas deferens. Ind J Exp Biol 21 : 272-274, 1983

- 18. Burande, M.D., Goyal, R.K. and Verma, S.C. Studies on the mechanism of cardiotonic effects of sodium fluoroacetate and dobutamine. Ind J Exp Biol 21 : 150-152, 1983
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SOME LEADING FORMER PROUD STUDENTS

SI No.	Name of the Student	Level &Year of the Study	Contact Details
1.	<u>Dr Subbu</u> <u>Apparsundaram</u>	M. Pharm. (1986-88)	Chief Scientific Officer, VClinBio LLC (USA) VClinBio Labs Pvt Ltd.(India) Sri Ramchandra University, Chennai Phone: +1-862-485-7489 (USA) Cell: +919500745514 +1-861-062-7730 <u>subbu.apparsundaram@gmail.com</u> www.vclinbio.com
2.	Dr Milan C. Satia	M. Pharm. (1987-1989) Ph.D. (1991-94)	Chief Executive Officer, Ethicare Clinical Trial Services 410-412, G-Block, Titanium City Centre, Nr. Sachin Tower, Satellite, Ahmedabad-380015,Gujarat, INDIA E-mail : <u>milansatia@ethicare-cro.com</u> Cell:+91 98255 85119; Phone +91 79 40069486 Website : <u>www.ethicare-cro.com</u>
3.	Dr Tejal Gandhi	M. Pharm. (1989-1991) Ph.D. (1992-1997)	Professor & Principal (Dean Gujarat Technological University) Anand Pharmacy College Opp. Town Hall, Anand Gujarat Phone: +919099063105 Cell: +919825074167 Email: gandhi.tejal@hotmail.com
4.	Dr Dhananjay Umrani	Ph.D. (1998-2003)	Associate Director, Discovery Biology Advinus Therapeutics Limited Plot # 9, Quantum Tower, International Infotech Park, Phase-1, Hinjewadi, Pune -411057 Phone: +91-20-66539600 (office) Cell: +919881742760 Email: Dhananjay_Umrani@hotmail.com
5.	Dr Krisnamurthy M. Bhat	Ph.D. (2001-2005)	Professor and Head, Department of Pharmaceutical Quality Assurance Manipal College of Pharmaceutical Sciences, MANIPAL, INDIA. 576 104. Phone:0820-2922482 Extn - 271 Fax: +918202571998 Mobile:+919845801575 Email: km.bhat@manipal.edu
6.	Prof. Gaurang Shah	M. Pharm. (1987-1989) Ph.D. (1992-96)	Professor & Head Department of Pharmacology Ahmedabad University, Ahmedanbad

Invited Lectures in India (National level conference)

	Date	Event/Place	Title of the Lecture
1.	14/6/87	Summer School CCS, HAU Hissar	"A decade with anococcygeus muscle".
2.	20/11/92	BPCON-92 and Indo-French Symposium, Surat.	Perspectives of Potassium channel Openers in hypertension.
3.	07/12/92	25 th Annual conference of IPS, S. K. Medical Muzaffarpur	Role of hypertension and the influence of antihypertensive drugs in diabetes-induced cardiomyopathy.
4.	25/11/92	XI Annual Conference of Society of Toxicology, Vallabh Vidhyanagar.	"Drugs and Cosmetics Act 1988 and toxicity testing"
5.	05/03/94	National Workshop on Emerging Trends in Pharmacology, Chandigarh.	Post-graduate teaching in Pharmacology.
6.	06/03/94	National Workshop on Emerging Trends in Pharmacology, Chandigarh.	Cardiovascular complications in diabetes – mellitus and hypertension.
7.	24/11/95	28 th Annual conference of IPS, Deptt. Of Pharmaceutical Sciences, Patiala.	Role of endothelium in diabetes – mellitus and hypertension.
8.	13/12/95	4 th annual conference of India Society of Hypertension Lady Harding Medical College, New Delhi.	A comparative evaluation of the effects of various antihypertensives in STZ-diabetic rat and hypertensive diabetic patients.
9.	31/1/96	Dr.O.D.Gulati oration, Medical College, Baroda	Choice of antihypertensives in Diabetes Mellitus: Comparison of experimental and clinical data
10.	18/11/96	5 th Annual Conference of Indian Society, Ludhiana	Role of Insulin resistance and hyperinsulinaemia in hypertension and the choice of antihypertensive of Hypertension.
11.	6/4/97	National Workshop Drug Industry and Academic Pharmacology, Jammu Tawi	Development of research strategies : A Collaborative Exercise
12.	14/10/97	Golden Jubilee Celebrations Food and Drug Lab., Vadodara.	Perspectives on Hypertension and diabetes – mellitus.
13.	20/5/97	Summer School M. S. University, Vadodara	Role of Pharmacology in New Drug Development
14.	2/12/97	1 st Asia Pacific Congress on Hypertension, Surat	Potassium Channel Openers : Where do we stand now ?
15.	6/12/97	International Symposium Diabetes mellitus and Hypertension, Ahmedabad	Role of Hyperinsulineamia and insulin resistance in Hypertension : Choice of antihypertensives

40	04/04/00	Indian Dhannan (' - '	Data of Dhammanatics, to fees Other
16.	24/04/98	Indian Pharmaceutical Association Meeting, Pune	Role of Pharmacology to face Challenges of 2005
17.	24/07/98	AICTE sponsored Faculty Update Program in Pharmacy Wardha, MS	Clinical Pharmacy : A Slogan, Myth or Reality
18.	29/10/98	AICTE sponsored Faculty Update Program in Pharmac VallbhVidhyaNagar, Gujarat	Clinical Pharmacy : A Slogan, Myth or Reality
19.	30/10/98	AICTE sponsored Faculty Update Program in Pharmacy, Ahmedabad	Clinical Pharmacy : A Slogan, Myth or Reality
20.	15/11/98	Late Husseini Daginawala Memorial Lecture and National Pharmacy Week Celebrations, Nagpur	Clinical Pharmacy and Proper Storage of Drugs
21.	28/10/99	AICTE sponsored Faculty Update Program in Pharmacy, Wardha, MS	Evaluation of Diabetes mellitus and hypertension
22.	29/10/99	AICTE sponsored Faculty Update Program in Pharmacy, Nagpur, MS	Molecular Biology and Biological Research
23.	01/11/99	AICTE sponsored Faculty Update Program in Pharmacy, NewDelhi	Herbal Drugs in diabetes and their evaluation
24.	24/11/99	AICTE sponsored Faculty Update Program in Pharmacy, Gandhinagar,	Apoptosis and Cell-proliferation: A new vista in Pharmacological research
25.	15/11/99	Prof. R. J. Wegmann Oration, New Delhi	Appropriate use of drugs in 57iabetes mellitus associated with hypertension
26.	3/2/2000	PCI sponsored Workshop for Community Pharmacis Gandhinagar	Scope and Prospects of Community Pharmacy
27.	21/2/2000	PCI sponsored Workshop for Community Pharmacist Pusad, Maharashtra	Scope and Prospects of Community Pharmacy
28.	17/3/2000	PCI sponsored Workshop for Community Pharmacist .V. Nagar	Scope and Prospects of Community Pharmacy
29.	23/3/2000	PCI sponsored Workshop for Community Pharmacist Rajkot	Scope and Prospects of Community Pharmacy
30.	15/10/2000	lind International Congress & CME on Hypertens. Atherosclero. & CAD, Varanasi	Conventional and unconventional drug treatment for the Insulin resistance and associated cardiovascular complications
31.	28/12/2000	XXXIII Annual Conference of IPS, Gandhinagar	Anti-diabetic herbal drugs as complementary or supplementary treatment

32.	23/1/2001	Guest lecture, NIPER, Mohali, Panjab	Choice of antihypertensives in a condition of co-existence diabetes and hypertension
33.	25/1/01	International Confon Pathophysiology and drug Therapy of CVS disorders Patiala	Role of 5HT in diabetes-induced cardiovascular complications
34.	27/1/01	Annual Conf. of International Society. Of Heart Research, AIIMS, New Delhi	Treatment of Insulin Resistance with special reference to cardiovascular complications
35.	30/4/01- 12/5/01	Resource person at AICTE- ISTE sponsored short term training programme, Gujarat	Pharmaceutical Sciences in the new Millennium-Emerging trends and Challenges ahead
36.	5/1/02	4 th International Seminar on Ayurvedic Education and Drug Standardization A-Global Perspective, Jamnagar	Screening of Ayurvedic drugs for Diabetes mellitus and Insulin Resistance
37.	10/1/02	34 th Annual Conference of the Indian Pharmacological Society, Nagpur	Apoptosis and molecular pharmacology: Applications in the investigations of drugs used for diabetes mellitus and insulin resistance
38.	1/2/02	International Society for Heart Research Indian Section, Trivendrum	Comparative evaluation of ACE inhibitors in patients undergoing CABG
39.	8/2/02	The WHO sponsored training programme for pharmacists by the pharmacy council of India, Gandhinagar	Pharmaco-epidemiology of respiratory disorders in North Gujarat
40.	22/2/02	BPCON-SURAT, Decennial Conference of the Indian Society of Hypertension, Surat	Role of 5-HT ₂ A receptors in the Cardiovascular Complication associated with Diabetes-Mellitus
41.	24/2/02	Gujarat Council on Science and Technology (GUJCOST), Mehsana	Information Resources on the Internet for the Pharmacist
42.	17/10/02	AICTE-ISTE sponsored short term training programme, Gandhinagar	Recent Advances in Phytochemistry and Pharmacology of Herbal Drugs
43.	26/11/02	35 th Annual Conference Indian Pharmacological Society, Gwalior	Role of 5-HT _{2A} Receptors on Cardio-vascular complications associated with Diabetes mellitus
44.	12/1/03	International Conference on Chest Diseases and Allied Sciences, New- Delhi	Role of Pharmaco-epidemiology and Phramaco-economics of respiratory disorders in North Gujarat
45.	19/1/03	17 th Annual Conference of the Indian Pharmacological Society Gujarat Chapter, Kherva	Pharmaco-therapeutics of Diabetic cardiomyopathy
46.	21/2/03	UGC Refresher Course on Recent Advances in Pharma- ceutical Technology and Computer Applications, Hisar	Molecular Mechanisms and their study in Pharmacology Newer Trends in Screening of Antidiabetic Herbal Drugs in the light of Insulin Resistance

47. 22 /11/03 UGC sponsored Refresher Course on Recent Advances in Pharmaceulical Technology and Computer Applications, Hisar Design of practical in Pharmacology in the light of CPCSEA and new Drug development 48. 22/11/03 AICTE sponsored QIP program on Recent Advances in Pharmacological Sciences, Warangal Intra-coronary Drug usage in patients with CAD undergoing PTCA or CABG. 49. 5/12/2003 36 th Annual Conference of Indian Pharmacological Society, New Delhi Intra-coronary Drug usage in patients with CAD undergoing PTCA or CABG. 50. 6/12/2003 36 th Annual Conference of Indian Pharmacological Society, Delhi Drug usage during per-cutaneous coronary interventions in Acute Coronary Syndrome 51. 8/12/2003 DST sponsored Workshop on Newer Trends in Evaluation of Drugs Toxicology testing of herbal Drugs. 52. 13/12/03 B. R. Patel PERD center symposium, Ahmedabad IACS sponsored symposium Role of glycoprotein 2 b 3a receptor antagonists in cardiology. 53. 9/1/2004 Pharmaco-therapeutics of cardiac failure, Delhi. Investigation of cellular and molecular mechanisms for Unani anti-diabetic drugs. 54. 10/11/2004 JST sponsored National Workshop on Unani Medicine. Jamia Hamdard, Investigation of cellular and molecular mechanisms for Unani anti-diabetic drugs. 55. 12/1/2004 Internatinol Conference of InSIR & IACS Ganthinagar Clinicic				
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	61.	17/4/2005	Conference of Indian Pharmacological Society,	special reference to Cardiovascular

62.	11/7/05	Periyar College of Pharmaceutical Sciences for Girls, Tiruchirapalli	Changing trends in the Screening of New Synthetic Drugs: From Manual Smoked Deum to Robotic Well Plate
63.	1/10/05	Workshop on Screening Techniques in Experimental Pharmacology, Shirpur	Screening Techniques in Experimental Pharmacology
64.	16/10/05	CME Programme of – NAMS (India), New Delhi and Medical College, Baroda	Angiogenesis & Neoangiogenesis with special reference to Cardiovascular disorder: An overview
65.	17/10/05	10 th APTI national Convention Nagpur, 2005	Perspective of Clinical Trials in India with special reference to Cardiovascular complication and Diabetes mellitus
66.	29/12/2005	S. C. Lahiri oration 2005, Chennai	Dynamism in Pharmacology: From smoked Drums to Robotic Well Plates and Bench to Besid"
67.	13/01/06	Joint Annual Meeting "Heart Research 2006" Chennai	Cardio protection in diabetes-mellitus some Pharmacological consideration
68.	4/2/2006	Science Centre, North Gujarat University, Patan	Prospective of Biotechnology in Research
69.	6/2/006	M.S. D. T. E sponsored teachers training workshop, Wardha	Therapeutic Drug Monitoring Role of Pharmacist in the prevention of epidemics of diabetes and cardiovascular diseases in India.
70.	22/2/2006	Drug Design Development in New Millennium, NIPER, Mohali	Newer strategies in the treatment of Diabetes mellitus.
71.	16/6/2006	TIFAC CORE, M.S. University of Baroda, Vadodara	Toxicological Testing for newer Formulations
72.	9/12/2006	Herbal Conference, Patel Chest Institute, NewDelhi	From Concept to Reality: Enicostemma littorale and Zingiber officinale as potential herbal drugs.
73.	22/12/2006	39 th Annual Conference of IPS, Jaipur	Management of Cardiovascular complications in diabetes mellitus.
74.	31/1/2007	Staff development program S. K. Patel Institute of Pharma. Edu. Res. Kherva	Advanced Pharmacological & Clinical Evaluation of Anti-diabetic herbal drugs: From Concept to Reality
75.	5/2/07	R. C. Patel College of of Pharmacy, Shirpur Staff Development Program	Newer trends in the evaluation of drugs with special reference to herbal antidiabetics
76.	5/2/07	R. C. Patel College of of Pharmacy, Shirpur Staff Development Program	Evaluation of drugs and devices in the patients with diabetes mellitus and Heart failure Demo: Isolation & mounting of Rat anococcygeus muscle.
77.	14/3/2007	Saurastra University & IPA Rajkot Branch	Perspective of Clinical Research India with special reference with diabetic & cardiovascular complications

78.	19/4/2007	PCI sponsor workshop & clinical Pharmacy Limda, Vadodara	Role of Clinical Pharmacy & Community Pharmacy in Patient education & Rational use of drugs
79.	22/4/2007	1 st Annual Conference of State chapter of RASDI, Rajkot	Leptin and Adiponectin
80.	28/4/2007	ICMR sponsor, National workshop on "Good Clinical Practice for Pharmacologist" Mehsana	Clinical Research in India and Role of Pharmacologist
81.	5/8/207	Second APTI Meeting of Gujarat, Modasa	Education Sensex in Pharmacy: How to maintain it
82.	17/8/2007	Orientation Program, Singarh College of Pharmacy, Pune	Cardiovascular Pharmacology: Emerging Trends
83.	15/9/2007	ICMR sponsored Workshop in S J Thgakkar Coolege, Rajkot	Scope and Challenges of clinical Trials in India
84.	17/11/2007	DBT sponsored workshop, Trivandrum	Sub-cellular remodeling as a target for the treatment of Congestive Heart failure
85.	1/12/2007	40 th annual Conference of IPS, Mohali Panjab	Diabetic cardiomyopathy: Still a challenge in Pharmacology cardiology
86.	26/11/2007	Institute of Human Genetics, Ahmedabad	Pharmacogenomics: Role in drug designing
87.	12/1/2008	Guest Lecture 'CCC', Ahmedabad	Academic Industry linkages for Clinical and Basic Research in Cardiology
88.	15/2/2008	M. S. University, Vadodara	Application of Biostatistics in pharmaceutical and Medical Sciences with special reference to Clinical Research
89.	28/2/2008	International Symposium on "Recent Advances in Cardiovascular Sciences", Delhi	Management of chronic heart failure with expertise monitoring and up titration of therapy added by implanted ultra sonic device
90.	29/2/2008	Joint Annual Meeting of IACS and ISHR	Changing trends in the treatment of Diabetic Cardiomayopathy
91.	17/3/2008	Workshop on Health Care Revisited Dept. Of Zoology, Gujarat University	Present, Past and Future of Diabetes mellitus
92.	26/4/2008	National Workshop on Clinical Research & Regulatory affairs, Gandhinagar	Introduction to Clinical Research and Regulatory Affairs: Present Status
93.	27/4/2008	II and Annual Conference of RSSDI, Gujarat Chapter Surat	From Concept to Reality in Herbal Medicine: Zingiber officinale and Enicostemma littorale as Potential Antidiabetics
94.	27/4/2008	II and Annual Conference of RSSDI, Gujarat Chapter Surat	Clinical Research in Diabetes Mellitus
95.	8/5/2008	National Conference on CPCSEA, Jai Research Foundation	CPCSEA: How it has Changed the Scenario of Pharmacological Experiments & Research in India

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96.	28/8/2008	C.U.Shah College of Pharmcy, Surendranagar	New Avenues in Clinical Research
97.	26/9/2008	International Conference on Bioethics, Mother Teresa University, Kodaikanal	Ethics in Animal Experimentation: Role of CPCSEA and Impact on research
98.	13/12/2008	Joint International Conference on The International Society for Heart Research and IACS (Indian Chapter at B. J. Medical College, Surat	Role of 5-Hydroxytryptamine in Cardiovascular Complications
99.	5/1/2009	R.P College of Pharmacy, Changa	Application of Biostatistics in Medical and Clinical Research
100.	13/1/2009	NO Symposium – V. Patel Chest Institute, Delhi University, Delhi	Role of Nitric Oxide in diabetes mellitus with special reference to involvement of parasympathetic system
101.	14/1/2009	Indira College of Pharmacy, Pune	Pharma Profession Service to Humanity
102.	15/1/2009	Bilcare Ltd., Pune	Clinical Research : Prospects and Opportunities
103.	29/1/2009	International Conference on Biomedical and Genomic Research, Department of Zoology and BMT, Gujarat University, Ahmedabad	Molecular and Genomic Studies in Diabetices mellitus
104.	5/2/2009	International Symposium on Current Trends in Pharmaceutical Sciences at ZRC, Ahmedabad	Cardio Protection in Diabetes Mellitus: some Pharmacological Considerations
105.	11/2/2009	Vijaya Blood Bank Ahmedabad	Investigator driven Clinical Research
106.	20 /2/2009	Manipal University, Manipal	Dynamism of pharmacology: From Smoked drums to robotic well plates and bench to bedside
107.	13/3/2009	ERDA, Vadodara	Research on Research: Industrial Perspective
108.	14/4/2009	KBIPER, Gandhinagar	on MSU Quality relavence in Clinical and preclinical research
109.	8/11/2009	ISF college of Pharmacy Mogha	Dynamism of pharmacology: from smoked drumsTo robotic well-plates and bench to bedside
110.	27/2/2010	Maliba college of Pharmacy Bardoli	Improving experimental techniques in pharmacological research
111.	15/3/2010	Nirma University, Ahmedabad	CPCSEA and regulation of animal studoes in Pharmacology
112.	11/4/2010	S.S. College of Pharmacy, Bhavnagar	Chemists and Druggists: Do we have the Status of Global Community Pharmacist?

113.	09/08/2010	National Workshop on Medical Textiles, MSU	Possible Regulatory aspects in the Application of Medical Textiles
114.	25/10/2010	Sri Satkeval collegeof Pharmacy, Sarsa	Role of Pharmacologist to Promote and Face the Challenges for Clinical Trials in Herbal Drugs
115.	28/10/2010	S.P.University, Vallabh Vidhya Nagar	Knowledge Assets and its Management in Indian Universities
116.	10/11/2010	K.B.I.PE.R., Gandhinagar	Introduction to Clinical Research and Regulatory Affairs: Present Status Concepts & Reality in Herbal Medicine
117.	11/12/2010	HemchandracharyaNorth Gujarat University, Patan	Challenges in Higher education in the era of globalization
118.	22/02/2011	Mrunalini Devi Oration	Nutritional Interventions in the Prevention of Diabetes and Cardiovascular Complications
119.	11/03/2011	Nirma University, Ahmedabad	Changing Trends in New Drug Discovery in Post-GATT Era
120.	13/7/2011	Knowledge Consortium oof Gujarat, Gandhinagar	Teacher Capacity Building in Life-Sciences
121.	13/9/2011	16 th World Conference on Nutrition, New Delhi	Nutritional Interventions in the Prevention of Diabetes and Cardiovascular Complications
122.	27/9/2011	Kanan Memorial Lecture, M.S.University of Baroda, Vadodara	Developments in Pharmacology: From Smoked Drums to Robotic Well Plates and From Bench to Bedside
123.	21/10/11	Workshop on Animal handling and CPCSEA G.J. University, Hisar	Role of CPCSEA to Change the Scenario of Pharmacological Experiments & Research in India
124.	19/11/2011	10 th annual Conference of Society of Pharmacovigilance. Patna	latrogenesis and Patient Safety
125.	11/12/11	National Seminar on nutraceuticals and plantas used in Human Health, M.S. University of Baroda	Nutraceutical research for the prevention
126.	17/1/2012	DST sponsored INSPIRE program, Moga	An Overview on Infectious diseases
127.	24/1/2012	KHS Mumbai	From Concept to Reality: Enicostemma littorale to Swertiamarin
128.	9/3/2012	16 th National Convention of Society of Pharmacognosy & Internartional Symposium on Herbal & traditional Medicine,Rajkot	New drug discovery from herbals in 21 st centuary
129.	19/7/2012	Go Global International Conference, Coimbatore	Cross border education: Need of the hour

130.	15/9/2012	West Zone Vice Chancellors Conference, Navi Mumbai	Strenthening of basic science courses for the promotion of research in professional colleges.
131.	4/1/2013	45 th Annual Conference of Indian Pharmacological Society, Nagpur	Liver, Obesity and diabetes: Clinical Implications
132.	14/2/2013	National Seminar on Current Trends in Experimental Pharmacology, Shahada, Maharashtra	Changing trends in Experimental Pharmacology: Antidiabetic drug discovery from herbal sources.
133.	3/3/2013	Trends in Biotechnology, AU, Ahmedabad	Pharmaceutical Biotechnology
134.	4/4/2013	GTU Research Week	Dilemma of A Pharmacologist: Basic Research or Clinical Research?
135.	19/4/2013	Fifth World Congress of DiabetesIndia, Kochi	Paper Writing & Medical Research: Myths and Realities
136.	25/6/2013	AICTE sponsored STP, NIRMA University	Challenges and Quality Assurance in Biopharmaceuticals
137.	3/7/2013	FDP, Sarvajanik Pharmacy College Mahesana	Newer perspectives I Clinical research
138.	20/7/2013	AICTE sponsored National Seminar, B.M Shah College of Pharm Sci. Edu. Res. Modasa	Pharmacovigilance and Clinical Trials: Challenges and opportunities
139.	11/8/2013	Workshop in Experiments in Pharmacology, LMCP,Ahmedabad	"Experiences in Experiments in Pgharmacology
140.	7/9/2013	National Conference on Diabetes, Nirma University	Natural Products Based Drug Discovery in Diabetes: Some Success Stories
141.	27/9/2013	Drug Discovery India 2013 Conference, Bangalore	Advances in Natural product-based drug diacoveries: Success of swertiamarin
142.	12/11/2013	AICTE sponsored FDP, Saurashtra University, Rajkot	Regulatory Quality assurance aspects of Biosimilars
143.	12/11/2013	AICTE sponsored Winter School B. K. Mody Govt. College of Pharmacy, Rajkot	Biopharmaceuticals: Challenges and opportunities
144.	17/11/2013	23 rd Annual Conference in Indian Society of Hypertension, Lucknow	Hypertension Surveillance Program in India: Urgent Need and Challenges
145.	24/11/2013	13 th annual Conference of Society of Pharmacovigilance (India), Karamsad	Pharmacists' Role in Pharmacovigilance
146.	17/12/2013	45 th Annual Conference of Indian Pharmacological Society, Bangalore	Modernization of Pharmacology Curriculum _Pharmacy Colleges
147.	26/1/2014	Refresher Course for Registered pharmacists, S.S. Pharmacy College, Bhavnagar	Role of Pharmacist beyond Medical Store: Perspectives and Opportunities

148.	31/1/2014	6 th International Conference of IACS (RACS), DIPSAR, New Delhi	Prevention and Treatment of Diabetes induced Cardiovascular Complications by Herbal Drugs: From Concept to Reality
149.	1/2/2014	Symposium on Quality of Technical Education, ITM Universe, Vadodara	Roadmap to enhance quality of Technical Education: Academic Perspectives
150.	4/2/2014	101 st Indian Science Congress, Jammu	Diabetic Cardiomyopathy: Target Directed Drugs or Drug Directed Targets?
151.	8/2/2014	RP College of Pharmacy, Changa	Current trends in Pharma Sector for Employment : Academic Perspectives
152.	7/3/2014	1 st Congress of Society of Ethnopharmacology, Sr Ramchandran University, Chennai	Some Leads from Herbals for Diabetes and Cardiovascular Complications: From Concept to Reality
153.	5/4/2014	Keynote lecture Workshop on alternatives to Animal Experiments, Lucknow	Experiences in Pharmacology: <i>In vitro</i> Assays as Alternatives to Animal Models
154	20/6/2014	Indo Global Healthcare summit 2014, Hyderabad	Changing trends in the Management of Cardiac failure
155	21/6/2014	Indo Global Healthcare summit 2014, Hyderabad	Role of Liver in Obesity and Diabetes – A Time to look for Newer Targets and Treatments
156	22/6/2014	Indo Global Healthcare summit 2014, Hyderabad	From Pharmaceuticals to Nutraceuticals: An Old Wine in New Bottle in new drug discovery
157	11/7/2014	SAL Hospital Trainning Program	Regulatory aspects of Clinical Trials: Current status in India
158	2/8/2014	Devbhoomi Institute of Pharmacy & Research HIS & CPCSEA symposium Deharadoon	Status of Pharmacology Teaching at Pharmacy Institutions in India after CPCSEA implementation
159	2/8/2014	Devbhoomi Institute of Pharmacy & Research HIS & CPCSEA symposium Deharadoon	Biotechnology or Bioinformatics: Which is a better Alternative for New Drug Discovery Research?
160	3/8/2014	Amity University, Gurgon, U.P.	Passion for New Drug Discovery at Academic Institutions
161	7/11/2014	National Conf. on Herbal Research B.V. Patel PERD Center, Ahmedabad	Clinical trial of herbal drugs and formulations
162	22/11/2014	53 rd National Pharmacy Week Chennai	Exploring Prospects of Research in Clinical Pharmacy in India
163	29/11/2014	19 th Annual Conference of APTI, Pune	Expanding Opportunities of Post graduate courses for Emerging Trends in Pharmaceutical Industry
164	19/12/2014	Pharmatext 2014, Ahmedabad	Development of Innovative Therapeutics and Diagnostics through Genome-based Biomarkers: An Unexplored Potential in India

165	15/1/2015	JIPMER PG Dept.	Development of Innovative Therapeutics and Diagnostics through Genome-based Biomarkers: A Dream
166	10/3/2015	7 th Conference on recent Advances in cardiovascular Sciences, Amity University, Gurgaon	Cardioprotective effects of Crataegus oxycantha : Experimental and Clinical evidences
167	13/3/2015	International Conference of Cardiovascular Sciences, IACS, Trivandrum	Significance of Acetyl Co-A Carboxylase in Diabetic cardiomyopathy
168	10/4/2015	6 th World Congress of Diabetes India, Chennai	Significance of biostatistics in diabetic research
169	20/5/2015	Workshop on NGS, Anna University	Application of NGS in Biomarkers Research and Personalized Medicine
170	29/6/2015	Saveetha Dental College, Chennai	Projects in Biochemical Pharmacology
171	7/7//2015	SVCE, Chennai	Prospects of Biopharmaceuticals in India: Challenges and Opportunities
172	22/10/2015	Symposium on Translational research, KBIPER, Gandhinagar	Pharmacology beyond biotechnology: Personalized medicine in drug discovery & diagnostics
173	5/11/2015	2 nd National Symposium on Emerging trends in pharm- aceutical & biotechnological research, Agra	Application of Personalized Medicine in Drug discovery and Diagnostics
174	20/11/2015	DIABECON 2015, Ahmedabad	Pharmacogentics & Pharmacogenomics in Diabetes: Any Light in the Tunnel?
175	21/11/2015	DIABECON 2015, Ahmedabad	Genomic Data Collection & Analysis: Challenges & Opportunities
176	22/11/2015	1st Congress of Indian Society of Chronomedicine	Clinical Validation of Medicinal Herbs in the Treatment of Type 2 Diabetes: A novel Approach
177	19/1/2016	National Symposium on Pharmacovigilance	Pharmacovigilance and Clinical Trial of herbal drugs and formulations
178	28/1/2016	National Seminar on Drug discovery, Nashik	Personalized Medicine: A Newer Approach in Drug Discovery
179	30/1/2016	Seminar on Recent trends in Drug discovery, Chandwad	Biomarker based translational research in pharmacology for drug discovery
180	6/2/2016	8 th International Symposium on Translational research by IACS, Anand	Application of biomarkers in diagnostics with special reference to pregnancy induced hypertension
181	7/2/2016	Workshop on Pathway to Drug discovery-Sri Ramachandra University, Chennai	Role and Significance of Pharmaceutical Analysis in Drug Discovery & Development

182	14/3/2016	Training Program on Genomic techniques, SRU, Chennai	Biotechnology for Drug Discovery and Diagnostics	
183	20/3/2016	5 th Annual CME on Clinical Biochemistry, ACBI, Delhi	Biomarkers based diagnosis for the prevention of faulty placenta during gestational hypertension	
184	3/4/2016	Prof GJ endowment workshop and conference, Madras University, Chennai	Role of genomics and proteomics in drug discovery and diagnosis	
185	26/5/2016	International Conf. of Biomarkers India 2016, Bangalore	Biomarkers in drug discovery and diagnostics development	
186	20/7/2016	St. Joseph College, Chennai	Biomarker based translational research for drug discovery and diagnostics: Role of Biotechnology	
187	8/9/2016	Pharmacy Practice Seminar, Sri Ramachandra University, Chennai	Importance & responsibilities of pharmacists in clinical data management & documentation	
188	9/11/2016	Delhi Polution Control Council, Delhi	Identification of Important Drug Residue and its Identification on Hospital Effluent	
189	10/11/2016	Krupanidhi College of Pharmacy, Bangalore	Changing Strategies for New Drug Discovery: Genomic Biomarker based Translational Research	
190	12/11/2016	Lloyd College of Pharmacy, Greater Noida, UP	What is likely to be Future of Pharmaceutical Sector?	
191	16/11/2016	16 th ISVPT Ansari Sabir Oration. Navsari,	Biomarker based translational research in new drug discovery: Importance of Veterinary Pharmacology	
192	23/11/2016	NIPER, RaeBareli, UP	Changing Paradigms in Pharmacy: What are the Academic Needs?	
193	2/12/2016	DIACON 2016, Ahmedabad	Diabetes and Inflammation	
194	3/2/2017	National Conference , AKS University, Satna	Frontier Research in Natural Products: Opportunities and Challenges	
195	9/2/2017	IACS, India Section, Delhi	Role of inflammation in diabetes and its complications	
196	19/2/2017	IASTAM Udupa Oration, BHU, Varanasi	Analysis of Genomic Data in diabetes: Challenges	
197	24/2/2017	Diabetes India, Delhi	Significance of Biostatistics in diabetic Research	
198	16/3/2017	National Conference, NIPER, Hyderabad	Personalized Medicine in Diabetes and Cancer: Role of Pharmacy	
199	25/3/2017	ICMR sponsored conference on Phytomedicine, Nagpur	Phytomedicine in the treatment of cancer amidst Precision Medicine: How it can be Novel?	
200	13/4/2017	APTOCON-Punjab Rayat Bahra University, Mohali	Interdisciplinary Education for Pharmaceutical Skills & Entrepreneurship	

201	4/5/2017	Indus Foundation Inc, USA,India	Skills, Start-ups & Entrepreneurship in Pharmaceuticals: A Need for Interdisciplinary Approach	
202	07/6/2017	Dr M. Rajani Memorial Oration 2017, Shri B. V Patel PERD Center, Ahmedabad	Translational Phytopharmacology of Enicostemma littorale: A Journey Near to Destination	
203	08/06/2017	Faculty Induction Program, Nirma University	Personality Development through Research and Publications	
204	10/06/2017	Kasturba Medical College, Invited Lecture	Role of Biomarkers in Drug Discovery and Diagnostics	
205	01/07/2017	STPP, Nirma University	Interdisciplinary Educational Pedagogy for Pharmaceutical Skills & Entrepreneurship	
206	5/07/2017	IPS Conference Puduchrry	Current trends in drug discovery and development	
207	28/07/2017	Indus Foundation	Skills, Start-ups & Entrepreneurship in Pharmaceuticals: A Need for Interdisciplinary Approach	
208	12/08/2017	TSHTI, Faridabad	Coronary Artery Disease, Hypertension & Diabetes Target Directed Drugs or Drug Directed Targets	
208/	2/9/2017	VP Chest Institute,	Nitric Oxide and its signicficance	
209	22/09/2017	Khalsa College , Ludhiana	Alternative to Modern Medicine: Challenges & Future in Phytomedicine	
210	10/11/2017	CII Delhi Higher Education Summit	Leveraging Technology for Innovation in Health Sector Higher Education	
211	13/11/2017	AICTE-FDP, Shirpur	ICT-Blended Technology for Innovation in Health Sector Higher Education	
212	4/12/2017	NorthZone VC Conference,	Challenges of Research, Innovation, Patenting and IPR Commercialization in Pharmaceutical Sector	
213	16/12/2017	International Conference in BiotechnologyBharthiar University, Coimbatore	Use of Genomics and Proteomics in Drug Discovery and Development	
214	25/12/2018	69 th Indian Pharmaceutical Congress, Chitkara	Skills required in Pharma Research Area	
215	20/1/2018	Govt. College of Pharmacy, Bangalore	Paradigm Shifts in Pharmaceutical Research: Opportunities & Challenges	
216	8/2/2018	Annual Conference of IACS, India, Chapter, Madurai	Significance of IACS in Halting the Emerging Cardiovascular Epidemics: A call of National Health Policy 2017	
217	16/2/2018	Manjit Singh Oration, ISHR Meeting, Chandigarh	Biomarker Based and Precision Medicine in Drug Discovery of Heart Failure	
218	21/2/2018	XXIV, QIP, DIPSAR, New Delhi	Significance of Pharmaceutical Chemistry in Drug Discovery and Development through Biomarkers and Target Identification	

219	5/3/ 2018	XXV QIP, DIPSAR, New Delhi	Communicable Diseases: Is it still a Problem in India?	
220	13/3/2018	XXVI QIP, DIPSAR, New Delhi	Herbal leads from Clinical Research for Congestive Heart Failure: An Unending Story	
221	21/3/2018	National ConferenceNIPER, Ahmedabad	Genomics and Proteomics in Drug Discovery and Development: A Way from Molecules to Medicine	
222	1/4/2018	XXVI QIP, DIPSAR, New Delhi	Ethics vs. Regulations in Biomedical Research: Their relevance in Drug Discovery including Biopharmaceuticals & Medical Devices	
223	11/6/2018	ASSOCHEM Delhi	Academia-Industry Collaborative Strategies for Drug Discovery R & D	
224	14/6/2018	PHD Chamber of Comerce, Indo-China Summit, New Delhi	Opportunities for India China Pharma Industry Tie Ups: Role of Pharmacy Institutions & University	
225	3/7/2018	NIRMA STP Program, Ahmedabad	Biomarker Based Drug Discovery & Pharmacogenomics Based Treatment of Diabetes	
226	5/9/2018	PCI sponsored CME for Teachers, Kolkata	Changing Trends in Strategies for Drug Discovery & Pharmacy Practice	
227	5/9/2018	Newton Bhabha Indo UK Workshop on Microbial resistance, Kolkata	Development of Novel Drugs from Medicinal Plants to Combat Antimicrobial Resistance: Lessons to be Learned from History in Context with Modern Development	
228	14/9/2018	4 th PharmaTech Ahmedabad	Significance of Regulation in the Growth of Pharmaceutical Sector	
229	5/10/2018	Prof. M. L. Shroff Memorial Lecture, APTI	Changing Trends in Pedagogy for Knowledge, Research and Regulations in Pharmacy	
230	8/10/2018	John Autian Oration International Conference on Pharmacovigilance, Delhi	Pharmacovigilance Beyond the Adverse Drug Reaction Monitoring for Pharmacoeconomics & Outcome Research	
231	24/10/2018	Annual Conference of Indian Society of Neurosciences, Mathura	Biomarkers Diagnostics and Drug Discovery in Neuropsychological Disorders	
232	29/11/2018	West Zone Vice Chancellor Conference, Navi Mumbai	Development of Innovative Courses in Sports Education	
233	5/12/2018	30 th Annual Conference of ISVPT Conference Agra	One Health-One World: Pharmacology bringing Biological World Together	
234	8/12/2018	North Zone VC Conference, Chandigarh	Research Funding: Opportunities and Challenges	
235	17/12/2018	CII Higher Education Summit, Delhi	Leveraging Technology for Innovation in Health Sector Higher Education	
236	4/1/2019	World Conference on Medicine, Vadodara	Application of Pharmacogenomics in Clinical Practice	

237 9/1/2019 International Conference on Transitistical Research, St. Xaviers Coll, Mumbai Diagnostics and Drug Development 238 23/1/2019 Subhari University, Meerut Challenges and Solutions to Capitalize Opportunities for research Funding 239 15/2/2019 Annual Meeting of IACS (India Section) 2019 Diabetes and Constipation: Can there be a Specific Treatment? 240 13/4/2019 ANTRI, Port Blair Development of Novel Drug Formulations Exploring the Biodrewisity of Andmana & Nicobar Islands through Biomarker based Multidisciplinary Approach 241 23/04/2019 HIMSAR, Hamdard University, Gwalior Impact of Pharmacogenomics in Cardio-vascular Disease Management & Drug Development 242 5/6/2019 NIB, Greater Noida, Quality Control, Challenges and Opportunities in Biologicals 243 22/8/2019 Amity University, Amritsar Phyto-pharmaceutical Regulation of CDSCO: A Key for the Internationalization of Herbal Formulations 244 15/9/2019 GND University, Amritsar New Drug Discovery & Development in the Era of 4 th Industrial Revolution in Pharmaceutical Sciences: Opportunities and Challenges for Research 246 28/12/2019 FDP, GTU, Ahmedabad Impact of 4 th Industrial Revolution in Pharmaceutical Sciences: Opportunities and Challenges for Research 247 16/1/2020 National Conf. Deshbandhu	007	0/1/2010	International Conference or	Data of Dharmonessiand Descent in	
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253 21/6/2020 DD Urdu Immunity and the Yoga	252	4/6/2020		committee in hospitals in the management of	
	253	21/6/2020	DD Urdu	Immunity and the Yoga	

254	27/6/2020	Double Helical, New Delhi	Rising trends of depression in COVID 19 epidemic	
255	4/7/2020	Karnataka Pharmacy Council, Bangalore	Challenges in Drug Information Service related to COVID 19:	
256	10/7/2020	e-FDP, Nirma University, Ahmedabad	Rebuilding Education with Opportunities & Challenges of COVID 19	
257	11/7/2020	APC Convention 2020, Alwar Pharmacy College	Research Methodology during Corona: Opportunities & Challenges	
258	19/7/2020	Brahamkumaries, Mount Abu	Farewell to COVID-19 Fear:Spiritual & Ayurveda Approach	
259	1/8/2020	Double Helical, New Delhi	Role of Pharmacy to Fight Against the COVID 19	
260	3/8/2020	Pharma Graduates Development Program, MNR Pharmacy College, Hyderabad	Career Opportunities for Pharma Graduates: An Over view in the light of Post COVID 19 Era	
261	6/8/2020	PHD Chambers, Delhi & Multani pharma	Immunomodulators in COVID 19	
262	8/8/2020	National level e-FDP, DIT, Dehradoon	Opportunities and Challenges for Practical Training in Pharmacy through E-Learning	
263	23/8/2020	Human Rights Commission New Delhi	Human Rights in Pharmaceutical & Medical Sciences	
264	5/9/2020	Delhi Pharmacological Society, New Delhi	Pharmacotherapeutics of COVID 19	
265	13/9/2020	SpARC Wing, Brahamkumaries, Mount Abu	Discipline-A tool to channelize inner strength	
266	29/9/220	34 th AICTE sponsored QIP, DIPSAR, New Delhi	Story of Development of AYUSH Formulation from DPSRU	
267	11/11/2020	Vaidyas& Vadyas Association	Life with COVID-19: Ayurveda to Fight COVID with Modern Approach	
268	11/11/2020	Glocal University, Baddi, HP	Recent Advancements in Science and Technology in the Light of Opportunities & Challenges of Covid 19	
269	7/12/2020	Lloyd Group of Institutes, Greater Noida, UP.	Exploration of nascent Pedagogical Tools for Uplifting Teachers of Pharmacy in the Light COVID-19 Era	
270	30/12/2020	SVCPCON 2020, SVCP, Banur, Panjab	Challenges after 2020 of COVID -19 in Pharmaceutical Sciences As we Enter into 2021	
271	16/1/2021	55 th IHPA Conference Hooghly, West Bengal-	Emerging Opportunities and Challenges for Hospital Pharmacy in India after COVID 19	
272	28/1/2021	Garden city University Bangalore	Giving the Best to the Students through Academic Flexibility and Provisions from NEP 2020	
271	25/2/2021	6 th Intl. Conf. of Pharma Industry, New Delhi	Ecosystem for R & D and Innovation: Moving Up the Value Chain	

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272	4/3/2021	NIT, Warangal	Chemistry, Phytochemistry & Drug Discovery: Current Challenges & Opportunities (Post COVID)	
273	6/3/2021	DBT-IBCD, Kolkata	From in-silico to Bedside: Herbal Medicine for the Treatment of COVID-19 and its After effects in Lungs & CNS	
274	10/3/2021	V. Patel Chest Institute, New Delhi	Proposal Writing in Biomedical Research	
275	21/3/2021	PHD Chanbers, New Delhi	Scope of WHO-GMP Certification in Pharmaceutical Industry & Government support	
276	14/5/2021	Double Helical Webinar, New Delhi	Pharmacology & Therapeutics Principles of Managing COVID-19	
277	25/5/2021	NAMS, New Delhi	Pharmacology & Therapeutics Principles of Managing COVID-19	
278	5/6/2021	Almora	Opportunities and Challenges for Pharmacists as frontline Professionals to Fight COVID 19 Pandemic: Understanding Clinical Pharmacy & Therapeutics	
279	10/6/2021	SVCE, Chennai Webinar	Green Chemistry & Pharmaceuticals during the COVID-19 Era	
280	21/6/2021	Yoga Day Celeberation, IIMHR, Jaipur	Science of Yoga for health and wellness after COVID-19	
281	28/6/2021	AICTE Sponsored FDP, New Delhi	Novel Formulation Development by Drug Engineering: Success Story at University	
282	9/7/2021	AIIA, New Delhi	Development of CoroQuil Zn from DPSRU	
283	24/7/2021	L. M. College of Pharmacy, Ahmedabad Distinguished Lecture	Science of Science Management in Drug Discovery & Development	
284	27/8/2021	Insulinday Celeberation	Success Story for Drug for Managing COVID- 19	
285	22/8/2021	PHD-Innovation Webinar	Healthcare Entrepreneurship: Lessons from COVID-19	
286	26/8/2021	Ethnopharmacology Conference, Pune	Explored from Delhi Aravalli Biodiversity: Medicine for the treatment of COVID-19	
287	17/9/2021	AICTE FDP, Amravati	21 Revolutions of the 2021 in Pharmaceutical Sciences	
287	21/9/2021	Visnagar University, Gujarat	Pharmaceutical Sciences & Drug Development	
288	25/9/2021	World Pharmacy Day Celeberation	World Pharmacy Day: Theme Lecture Pharmacy: Always Trusted for your Health	
289	29/9/2021	World Heart day Celeberation	World Pharmacy Day: Theme Lecture Connecting to prevent Cardiovascular diseases	

290	18/10/2021	Orientation Program, Anangpuria Institute of Pharmacy, Noida, UP	Pharmacy: Ever Green Health Sciences Career	
291	23/10/2021	National e- Seminar. ITM University, Vadodara	From Docking to dweling upon drug development with novel target ACE-2	
292	29/11/2021	National Pharmacy Week Valediction, PHD Chamber of Commerce, New Delhi	Pharmacists: An Integral part of Healthcare	
293	3/12/2021	SSJain College of Pharmacy, Chandwada, Nashik, MS	Research, Innovations and Technologies: Challenges & Opportunities in Pharmaceutical Sciences	
294	11/12/2021	4 th Annual International Conf. for SAAC, new Delhi	Latest in Alternatives to Animal Experimentation for Biological Research: Organ-on-Chip Technologies	
295	16/12/2021	Lloyd Institute of Pharmacy	Making Global Impact Through NEP-2020 Transformational Reforms	
296	20/1/2022	PHD Chamber, Seminar on Ayurveda in Post Covid Complications	Building Higher Immunity through Ayurveda for Omicron Variant	
297	27/1/2022	Pt.RaviShankar Sharma University, raipur	IP and Regulations: Challenges and Opportunities in Healthcare Entrepreneurship	
298	11/3/2022	L. J. University of Science and Technology, Ahmedabad	Molecular Docking to Dwelling in the Development of Novel Herbal Formulation for the Treatment of COVID-19 and it's complications	
299	13/3/2022	Guru Nanak Dev University, Amritsar	Outcome and Product based Translational Research: Some Success Stories	
300	23/3/2022	Delhi Technological University, New Delhi	Newer developments in research in 4 th Industrial era	
301	7/4/2022	Nirma University, Ahmedabad	21 Revolutions of the 21 st Century in Pharmaceutical Sciences	
302	23/4/2022	9th International Congress of Society for Ethnopharmaco 2022, JSS AHER Mysuru	Ancient Herbal Wealth in the Era of of 4 th Industrial Revolution	
303	9/5/2022	Workshop on Post Covid Complications, DPSRU,	Post-covid Complications as Related to ACE-2 Modulation	
304	16/5/2022	NIB, Faridabad, UP	Challenges in Quality Assurance of Biologicals	
305	1/6/2022	Workshop on NEP-2020, DPSRU	Challenges and Opportunities for Professional Universities in NEP 2020	
306	30/7/2022	IASTAM Conf. Jamia Hamdard	Biomarker Based Drug Discovery & Development Through Traditional Medicine System: Some Success Stories	

307	6/9/2022	IACS, North America, Winnipeg	Emergence of Angiotensin Converting Enzyme- 2 as a Novel Target for the treatment of Cardiovascular Complications	
308	15/10/2022	Jakarta, Indonesia	Biomarker Based Drug Discovery with Reverse Translational Approach	
309	4/11/2022	Deshbandhu College, New Delhi	Advances in Biomarker Based Drug Discovery with Reverse Translational Approach	
308	25/11/2022	ITM Universe University Vadodara	Integration of Herbal Medicines and Nutraceuticals for the Prevention & Treatment of Infectious Diseases	
309	1/12/ 22022	Era University Lucknow	21 Revolutions of the 21 st Century in Pharmaceutical Sciences	
310	22/1/2023	IASTAM Conf, New Delhi	Phyto-pharmaceutical Regulation of India: Significance & Bottlenecks	
311	31/1/2023	Hari Singh Gaur Uni. Sagar, MP	Nanomedicine for Cancer Theranostics	
312	24/2/2023	52 nd IPS Conference JSS Acad. Health Sci. Mysuru	Connecting Precision Medicine with Nanothernotics: Newer Research Opportunities in Medicine and Pharmacy	
312	25/2/2013	Era University Lucknow	Precision Medicine with Nanothernostics: Newer Research Opportunities in Medicine and Pharmacy	
313	3/2/2023	Patanjali University	Integration of Herbal Medicines and Nutraceuticals for the Prevention & Treatment of Infectious Diseases	
314	2/4/2023	37 th meeting of Ind. Soc Pharmacognosy. Pune	Reverse Engineering in Herbal-Based Drug Discovery and Development	
315	5/4/2023	Conference on NO, VP Chest Institute, New Delhi	From Molecule of Millennium (NO) to Target of the 21 st Century (ACE-2)	
316	11/5/2023	CannaBiz Conference 2023, New Delhi	Regulatory Challenges in the World versus Medicinal Uses of Cannabinoids with Strong Pharmacological Basis	
317	2/9/2023	G. Bhagawant Memorial Lecture, APTI Lucknow	2020 & G-20 in Pharmacy: Drug Repurposing to Reverse Engineering in Drug Discovery	
318	16/9/2023	40 th Conference of SERBC, Navrachna University , Vadodara	ACE-2: A Target for Herbal Drug Development for Post Covid-19 Complications using Reverse Engineering Strategies	
319	24/9/2023	World Pharmacy Day celebration Pharma Alliance, UP	Role of Pharmacy in Health Care beyond Drugs & Medicines	

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