



January - 2010

4th Issue

BMC PER ALUMNI ASSOCIATION & RESEARCH SOCIETY, MODASA.



BMC PER BIZ

House Bulletin of BMC PER Alumni
Association & Research Society.

Theme : Excellence in Pharma Academia



SHRI B. M. SHAH COLLEGE OF PHARMACEUTICAL
EDUCATION AND RESEARCH, MODASA.

(Run by : The M. L. Gandhi Higher Education Society)

Vision

To nurture the students for educational excellence and scientific temperament with and ethical values that built the spirit of health care.

Mission

Our Creed to generate globally competent health care professionals, striving towards excellence through benchmark system by fostering multifacious quality education in heritage of pharmacy.

Distinguish Alumni



Samit Shah
(2002)



Viral Patel
(2002)



Bhavesh Patel
(2002)



Rameshwar Patel
(2003)



Sarasvat Patel
(2004)



Ketan Mehta
(2007)

Dear Alumni

You help us to stand tall, spread wide
and reach out to the sky by providing us vital knowledge and absorbing experience.



BMCPer ALUMNI ASSOCIATION & RESEARCH SOCIETY, MODASA.

Reg. No. F/2639/S.K./11-7-2005 and Guj. 2648/S.K./Dt. 11-7-2005

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BMC PERBIZ

**House Bulletin of BMC PER Alumni Association and
Research Society, Modasa.**

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Printed By :Prakash Press, Modasa

Varun Graphics

B/6, Shyam Sunder Complex, Modasa
Ph : 02774-244800/246258 Mo. 9825522800

The Editors of the journal "BMC PERBIZ" do not necessarily agree with views expressed in the matter published herein.

Appeal to BMC PER Alumni



I am happy to announce that with constant enthusiastic support from students and Alumni, it becomes possible to release fourth issue of BMC PERBIZ 2010. The glory of BMC PER is spread all over the world by Alumni. Various student supporting activities are being organized in current academic year. The BMC PERBIZ has provided the platform for student to develop their creative intelligence. Our Alumni secured the respectable post, being a leader, in fast growing and competitive Pharma world. Students, Alumni and staff are earnestly appealed to support this publication by writing challenging and informative topic related to the Pharma fields to perish BMC PERBIZ. Editorial team expresses gratitude to all Alumni for keeping constant touch and encouraging others to strengthen the relation with institute.

Creative criticism and co-operation for improvement of BMC PERBIZ are most welcome. Kindly send your achievement, articles, news and information for updating next issue.

I am highly thankful to all the students, staff members and Alumni for their direct or indirect help for putting this publication before you.

With warm regards

Daxesh Patel

M.Pharm.

daxesh3482@yahoo.com

1. FORWARDING....



Dr. N. M. Patel
(M.Pharm, Ph. D FIC)



**Chairman,
BMCAPER Alumni Association &
Research Society, Modasa**

BMCAPERBIZ, a periodical of BMCAPER Alumni Association and Research Society, contains news and activities of Alumni and college. Our Alumni are progressing faster. It is my privilege to say that more than 150 Alumni are settled in abroad in academic and research institutions. Alumni in India are also pursuing their further study or settled in institution for academic, research, community and industries. Our institution is a proud of our Alumni Dr. Samit Shah for delivering plenary lecture in 61st IPC at Nirma campus. Students and staff members are actively participating to organize professional activities like; IPA sponsored National Pharmacy Week, celebration of state level 3rd conference of APTI and conducting Nature Education Camp of ISP at Polo, Vijaynagar. My heartiest congratulation is to the students for participating in state level competitions in presentation of research papers, Quiz, Elocution and snatching prizes.

Third issue of BMCAPERBIZ had received good response from Alumni and reviewers. I am in confidence of this fourth issue will also overwhelm and will definitely bridge between Alumni and institution.

Wishing you all prosperous, pleasant and progressive happy new year, I remain.

Dr. N. M. Patel
Principal,
BMCAPER, Modasa

With Regards
Place : Modasa.
January, 1 - 2010



Dr. A. N. Shah
(M.B.B.S.)
President,
The M. L. Gandhi Higher
Educational Society, Modasa



I am extremely happy to release "BMCAPERBIZ-2010". Pharmacy college was established with the commitment to provide excellent education for pharmacy student with up-to-date infra structural facility. Our missionary management and devoted faculty members have ensure that students should acquire proficient knowledge and skill to work independently. This institute has produced large number of luminous and flourishing students who are now proving their ability and worth in the various industries and academia in India and abroad. I have a privilege to express my cordial blessing to the BMCAPER Alumni.

Place : Modasa.
January, - 2010

Dr. A. N. Shah

Prof. C. K. Kokate
Vice Chancellor,
KLE University, Belgaum



It is heartening to note that Shri B. M. Shah College of Pharmaceutical Education and Research is publishing 4th edition of BMCAPERBIZ an Alumni Bulletin highlighting various academic and extracurricular activities carried out by the students and Alumni.

The Alumni members of the institution are always its professional ambassadors. Their contribution to the growth of Alma Mater is of great significance. I am happy to note that your Institution is constantly in touch with its Alumni members. I congratulate you and your Management for this well-focused Vision of developing the Institution.

I wish you all the best for your future endeavours in development of the college.

Place : Belgaum
December, 1-2009

Prof. C. K. Kokate



Narendra Modi
Chief Minister,
Gujarat State

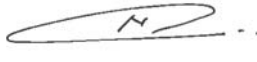
Gujarat has been 'PHARMA CAPITAL' of the nation. we have been blessed by the Nature with variety of plants, crops etc. This has resulted into a grooming pharma industry in the state.

To sustain the industrial growth, it is very much necessary to have R & D in the particular field as also to have enough skilled workforce. This can be achieved thro' expansion of the knowledge sector.

I am glad to note that Shree B. M. Shah College of Pharmaceutical, Modasa is publishing its fourth edition of BMCPERBIZ - a house bulletin of Alumni in December 2009

I convey my heartiest compliments to the college and its House Bulletin.

Place : Gandhinagar
November, 27-2009



(Narendra Modi)



Dr. Shrimati Kamla
Governor of Gujarat
Raj Bhavan
Gandhinagar-382 020

I am pleased to know that the fourth edition of 'BMCPERBIZ', the house bulletin of Alumni of Shri B. M. Shah College of Pharmaceutical Education and Research, Modasa is being brought out.

In the fast developing world of today, institution imparting higher education have to upgrade their academic standard to produce luminous and flourishing students having proficient knowledge and skill to work independently. The bulletin would go a long way to suffice scientific temperament of the students by providing them the latest pharmaceutical research work, I hope.

I convey my best wishes for the success of 'BMCPERBIZ'

Place : Gandhinagar
December, 2-2009



: Dr. Shrimati Kamla :



Ramanlal Vora

Government of Gujarat.
Minister,

Education (Primary, Secondary, Adult),
Higher and Technical Education
Block No. 1, 8th Floor, Sardar Patel Bhavan,
Gandhinagar, Gujarat-383 010.



Prof. M. N. Patel

Vice Chancellor (Offi.),
Gujarat Technological University
Principal,
L.D. College of Engineering

Its my pleasure to acknowledge the outstanding work done by Shri B. M. Shah College of Pharmaceutical Education and Research, Modasa in the field of Higher Education.

I congratulate them with my best wishes for the publish fourth edition of BMC PERBIZ - A house bulletin of Alumni in December 2009.

I wish BMC PERBIZ a successful journey in the field of Education & its students a good career ahead.

Place : Gandhinagar
December, 8-2009

Ramanlal Vora

It is a pride of matter for any institute, that successfully passed out students remembers the institute with love and gesture. The respect of the students leads them in foundation of Alumni Association of the institutes. Many institutes are having Alumni Association but some of them are really noteworthy because of the activities of their members. BMC PER Alumni Association and Research Society is one of them. It is said that "humble beginings leads to great Zenith of achievement and success", BMC PER Alumni has prooved it. It is pleasure to hear that BMC PER Alumni Association is publishing fourth edition of house bulletin, **BMC PERBIZ**, highlighting the various educational curricular, co-curricular and Extra curricular activities carried out for student development. Publication like **BMC PERBIZ** provides strong emotional contact between Alumni and institute.

I express my deep sense of appreciation for Alumni members who have contributed their efforts towards the noble cause of upliftment of students community and society at large.

Place : Gandhinagar
December, 8-2009

Prof. M. N. Patel



H. G. Koshia

Commissioner
Food & Drugs Control Administration
Block No. 8, 1st floor,
Jivraj Mehta Bhavan
Gandhinagar-382 010



Dr. P. G. Yeole

President,
Association of
Pharmaceutical Teachers of India

It gives me immense pleasure to learn that Shri B. M. Shah College of Pharmaceutical Education & Research, Modasa, which is imparting quality education to pharmacy students, is going to publish 4th edition of BMCPERBIZ - a periodical of Pharmacy Students & Research Society - highlighting various educational and extra-curricular activities carried out for the developments of the Pharma students. In fact it is a good publication which contains news, achievement, articles as well as other activities done and also holds the details of Alumni & faculty members, etc. of the institution.

I do hope this kind of good publications will definitely help in overall development of the pharma students and show them the way to become a leader of the rapidly growing pharma field. I appreciate the entire team of your college and other volunteers who have involved and taken pain to bring out this Bulletin in question.

In this juncture, I send my good wishes & blessings for the grand success of the publication.

Place : Gandhinagar
December, 1-2009

(H. G. Koshia)
Commissioner

I am very pleased to know that Shri B. M. Shah College Pharmaceutical Education and Research, Modasa is publishing fourth edition of 'BMC PERBIZ'. A house bulletin of Alumni in December 2009.

It is gratifying to note that Shri B. M. Shah College Pharmaceutical Education and Research is striving hard towards excellence and I am sure this bulletin will provide an excellent platform for students to exchange their ideas and maintain the strong network with Alumni.

I hope with sincere efforts of the Principal, staff & students of Shri B. M. Shah College Pharmaceutical Education and Research will certainly reach to greater heights in Pharmacy Education.

I convey my best wishes to Shri B. M. Shah College Pharmaceutical Education and Research in all its endeavors.

Place : Wardha
November, 26-2009

(Dr. P. G. Yeole)
President, A.P.T.I.

2. ABOUT OUR ALUMNI

BMC PER Alumni(509) are settling in India as well as spreading their wings to off sea side for further progress in pharmacy profession. Nearly 150 BMC PER Alumni are settled in USA, Canada, UK and Australia. Some university, Pharmacy School or Department in USA are dominated by our Alumni, is a matter of pride. This issue highlights the information about our Alumni present all over the world.

2.1 Alumni Abroad

Batch 2002 (20)

Agrawal Roshni K. (Australia)
Ghoniya Jitendra S. (Pharmacist, UK)
Patel Bhavin N. (Australia)
Patel Chetan B. (Pharmacist, USA)
Patel Hardip R. (Biotech,Australia)
Patel Kalpit V. (USA)
Patel Kaushik S. (USA)
Patel Neha R. (Australia)
Patel Nilay R. (Pharmacy, UK)
Patel Rakesh J. (Canada)
Patel Sagufta I. (USA)
Patel Shilpa A. (USA)
Patel Shital N. (UK)
Patel Viral F. (Ph.D., Res. Ass., U.K.)
Patle Vimal A. (Pharmacist,USA)
Patel Nirav N. (Canada)
Sakhiya Jitendra D. (USA)
Shah Bhumi V. (Pharmacist, L.A., USA)
Shah Ronak M. (Biotech, UK)
Shah Samit U. (Asst. Prof. South Uni.,GA, USA)
Shah UrmayA. (UK)

Batch 2003 (29)

Achary Mitesh P. (LIU,USA, QS Regenron)
Balapatel Afiya I. (B. Pharm Honor, Nirma Uni.)
Bhatt Nikit T. (MS, Ph.D. cont, USA)
Chaudhari Nilesh J. (USA)
Desai Ankita P. (USA)
Desai Palak J. (Inuds. Pharm, USA)

Desai Payal R. (Australia)
Desai Pooja M. (MS, Ph.D. cont, USA)
Patel Ankur R. (Pharmacology,USA)
Patel Ankur S. (Medicine, USA)
Patel Bhavik D. (Pharmacology, RA,USA)
Patel Falguni P. (USA)
Patel Grishma A. (Cell and Mole.Bio.,USA)
Patel Kajal A. (PharmD, USA)
Patel Kashmira R. (M.Pharm., QA, U.K)
Patel Nirav D. (Pharmacology,USA)
Patel Nirvigna A. (Pharm D, USA)
Patel Pankaj M. (Australia)
Patel Poullami B. (USA)
Patel Sandip P. (MBA, Australia)
Patel Sunil N. (MBA, UK)
Patel Varshesh I. (Teva, Novopharm, Canada)
Patel Vipul N. (MBA, UK)
Prajapati Vinit B. (MBA, UK)
Ranpariya ChetanV. (USA)
Raval Prasad B. (USA)
Shah Mital V. (USA)
Sheth Dipal S. (Australia)
Vyas Rakesh V. (MBA, UK)

Batch 2004 (17)

Butala Dhvani M. (MBA, Ohiyo Uni., USA)
Chaudhary Minaxi S. (Biotech;Canada)
Monpara Shakti G. (South Africa)
Nagina Hidayat M. (Kuwait)
Pandya Kashyap G. (MS, USA)
Parikh Nishant H. (MS, USA)
Parikh Unnati D. (USA)
Patel Chetan R. (MS, London, UK)
Patel Darshan B. (QA,Australia)
Patel Nirav D. (Australia)
Patel Nirav S. (Australia)
Patel Pinal R. (UK)
Patel Sneha R. (Pharmacology; London, UK)
Shah Krunal H. (London)
Shah Vaishal B. (MBA, NY, USA)
Somani Amit A. (MS, Ph.D. cont., USA)
Vaidya LeenaV. (USA)

Batch 2005 (20)

Agrawal Hardik K. (USA)
Bhadiadra Hasmukh M. (USA)
Desai Harshal J. (USA)
Kothiya Sanjay M. (Clinical Pharma, UK)
Mansuri Aftab M. (LIU, USA)
Mansuri Azra M.Y. (USA)
Mehta Kandarp C. (MS. Pharmacology, USA)
Modi Ravi V. (M.Pharm., QA, MBA, NY, USA)
Patel Bhupendra I. (USA)
Patel Harshil D. (USA)
Patel Jimin K. (USA)
Patel Kiran A. (USA)
Patel Manan N. (USA)
Patel Samir D. (Biomed, Australia)
Patel Sejal V. (Australia)
Ravani Pankaj D. (USA)
Shah Nilam K. (USA)
Shaikh Qureshi M. (UK)
Soni Rima S. (PharmD)

Batch 2006 (16)

Contractor Labdhi D. (IP, LIU, USA)
Darji Bhaumik H. (IP, LIU, USA)
Farkiwala Ruchir Y. (IP, USA)
Gohel Nirav R. (IP, LIU, USA)
Joshi Kaushal V. (Pharmacology, USA)
Kansara Avanish Y. (GMP, Austria)
Patel Ashok M. (IP, USA)
Patel Avani T. (IP, USA)
Patel Brijesh I. (LIU, USA)
Patel Divyang D. (CP, Canada)
Patel Hiren D. (IP, USA)
Patel Milan A. (IP, USA)
Patel Pranav V. (IP, USA)
Patel Vitesh B. (IP, USA)
Verma Shreya T. (USA)

Batch 2007 (25)

Chaudhari Heli L. (LIU, USA)
Parikh Drupad U. (MS, USA)
Dadhania Aakash J. (USA)
ParikhTejas G. (USA)
Patel Bhavesh R. (USA)

Patel Dharmendra B. (USA)
Patel Dipal D. (LIU, USA)
Patel Jayesh R. (FDU, USA)
Patel Jiten P. (USA)
Patel Nikunj D. (Finlay, Ohio)
Patel Ronak A. (Reg. Aff., LIU, USA)
Patel Sejal V. (FDU, USA)
Patel Shivani H. (LIU, USA)
Patel Vipul P. (Finlay, Ohio)
Raval Vipul B. (MBA, Canada)
Mekwana Bharat D. (MBA USA)
Shah Munir R. (St. Jon's, USA)
Shah Ravi C. (St. Jon's, USA)
ShahViral D. (MBA, NY, USA)
Patel Kalpesh H. (Ph. D. cont., USA)
Vaishya Ravi D. (Ph. D. cont., USA)
Patel Roank A. (PR, Canada)
Patel Avani T. (IP, USA)
Kothiya Vanita B. (USA)
Parikh Dipali (USA)

Batch 2008 (20)

Banker Harki M. (USA)
Dharaiya Hasmukh B. (Australia)
Ghori M. Ismail M. (Australia)
Modi Niraj S. (USA)
Pael Rakesh B. (Australia)
Panchal Haresh M. (USA)
Patel Amish M. (USA)
Patel Bhavesh H. (Australia)
Patel Bhoomika B. (Canada)
Patel Dharuval G. (Australia)
Patel Kimal A. (Australia)
Patel Milan K. (Australia)
Patel Monal R. (UK)
Patel Rinkal I. (USA)
Patel Romit H. (UK)
Patel Vipul A. (USA)
Patel Vipul B. (USA)
Patel Amit B. (Australia)
Pramar Kaushik G. (Australia)
Pranami Umesh S. (UK)
Sehia Mannan N. (USA)

2.2 Alumni in India

(A) completed or pursuing M. Pharm

2002 (19)

Gandhi Chintan (Ph. D., MS, Baroda)
Gangani Jalpa G. (Lect., Pipaliya)
Koli Akshay R. (Lect., Bardoli)
Makvana Sandip K. (Drug Inspector)
Patel Bhavesh H. (Asst. Prof., Gandhinagar)
Patel Hetal D. (Lect., Gandhinagar)
Patel Shubhashchandra K. (Lect., Sarasa)
Patel Alpesh R. (Asst. Prof., Modasa)
Shah Bhavik I. (Ph. D. cont., MS, Baroda)
Shah Charmy R. (Asst. Prof., Changa)
Shah Ruchir M. (R.A., Zydus Cadila)
Shah Samit U. (Ph. D., USA)
Soni Rakesh K. (Lect., Himatnagar)
Soni Sanket C. (Baroda)
Yohannan Daisy (Pharmacology)

2003 (14)

Dhapa Asif M. (CRA, Cadila A'bad)
Goswami Nilamgiri D. (Pharmacology, Bombay)
Javia Viren A. (Pharmacology, Lect, Zundal)
Mehta Chinta B. (CRA, J & J, Bombay)
Pandya Nitesh N. (R.S., Astron Research Ltd.)
Patel Bhavik N. (Ph.D. cont., Lect., S.S.P.)
Patel Daxesh M. (Ph.D. cont., Lect., Modasa)
Patel Dipti R. (Ph.D. cont., Lect., Baroda)
Patel Mehul N. (Ph.D. cont., Lect, Kalol)
Patel Nrupesh R. (QA, Lect., Nirma)
Patel Rameshwar K. (Ph.D., Asst. Prof., Kherava)
Shah Nilay Y. (RS, Astron Research)
Shah Rushil V. (RS, Astron Research)
Trivedi Manan R. (MBA, Astron Research)

2004 (24)

Hirani Jaysukh J. (Ph.D. cont., Rajkot)
Israni Dipa A. (Ph.D. cont., Lect., Modasa)
Kotadiya Divyesh R. (Pharmaceutics; Rajkot)
Mansuri Mushir I. (Lect. Himatnagar)
Mardia Rajnikant B. (Q.A., Junagadh)
Parmar Jiten M. (TRC, Abad)
Parmar Ramesh B. (Ph.D. cont., Rajkot)

Patel Dharmesh K. (TRC, Abad)
Patel Japan A. (Lecturer, Anand)
Patel Jignesh S. (Pharmacology, Pune)
Patel Manisha J. (M. Pharm, SKCPR)
Patel Nirav V. (Ph.D. cont., Anand)
Patel Rajnikant C. (Ph.D. cont., Kalol)
Patel Sarsvat B. (SRF /Ph.D. cont., NIPER)
Patel Sneha R. (Pharmacology, London)
Patel Tejas B. (Lect., Nadiad)
Patel Timir B. (Lect., Nadiad)
Patni Dilip D. (Pharmacognosy, Baroda)
Prajapati Dhaval G. (Ph.D. cont., MSU)
Raval Ashish K. (Pharmaceutics)
Raval Hitesh U. (Pharmacology, TRC)
Sagar Rupal B. (Lect., Ph.D. cont., Baroda)
Shah Jigar K. (TRC, Ahmedabad)
Shah Shreeraj H. (Ph.D. cont., Lect., Abad)

2005 (19)

Bhakti Shweta R. (QA, Nirma, Lecturer)
Lasan Vanita M. (Lect., Talod)
Malik M. Umar M.H. (RS, ZRC, cology)
Modi Ravi V. (MBA, QA, SSP, Mehsana)
Nayak Pratik P. (QA, SSP, Mehsana)
Patel Anirudh K. (QA, SSP, Mehsana)
Patel Deval B. (QA, SSP, Mehsana, TRC)
Patel Hiren P. (QA, Kherava, TRC)
Patel Mirav S. (Pharmacology, Anand)
Patel Ravish J. (Lect., Changa)
Prajapati Hardik A. (QA, SSP, Mehsana)
Savaliya Pankaj J. (QA, Sirpur)
Shah Forum G. (Ph.D. cont., Sterling)
Shah Nilam S. (Mumbai)
Shah Nitesh N. (Lect. Zhundal)
Shah Umang H. (Med. Chem, MSU)
Shiyani Bhavesh G. (R&D, Umang Pharma)
Thakkar Nima V. (Ph.D., Cont.)
Yadav Gunvant K. (Pharmacognosy, Rajkot)

2006 (22)

Bhatt Darshini A. (Pharmaceutics, Pillani)
Dhuwad Khyati M. (Pharmacognosy, BMCPR)
Gohel Nishit A. (Pharmaceutics, Tamilnadu)
Kinariwala Maitri B. (Pharmaceutics, Indore)

Macwana Chhaya R. (Pharmaceutics, MS Uni.)
 Master Stavan M. (Pharmaceutics, ISTAR)
 Mehta Sandip P. (Pharmaceutics, Nagpur)
 Modi Niraj H. (Bio Informatics, NIPER)
 Panchal Hiteksha S. (Pharmaceutics, ISTAR)
 Parmar Vishal M. (Pharmaceutics, MS Uni.)
 Patel Darshan N. (Pharmaceutics, Orissa)
 Patel Daxesh B. (Pharmaceutics, Orissa)
 Patel Himansu D. (Pharmaceutics, Orissa)
 Patel Ketan N. (QA, SSP, Mehsana)
 Patel Komal S. (Pharmacology, TN)
 Patel Krupa K. (QA, ISTAR)
 Patel Pathik J. (Pharmacognosy, Kherava)
 Patel Amit K. (Pharmaceutics, Orissa)
 Rathi Pankaj T. (Pharmaceutics, Bangalore)
 Solanki Chandravir N. (Lect., Kakanpur)
 Sonara Bhavin M. (Pharmacology, Sirpur)

2007 (28)

Acharya Maulik A. (Pharmaceutics, Kherva)
 Bhuva Satish V. (NIPER, A'bad)
 Dholakiya Hardik B. (Bangalore)
 Dhulia Dhaval M. (Pharmacology Anand)
 Hingaraj Mili P. (Clinical, Vapi)
 Kothiya Vanita B. (B. Pharm Honor, Nirma Uni.)
 Rao Nirav J. (Lect., Anand)
 Mehta Ketan A. (Jt. Manager, P & G, Bombay)
 Modh Urvish N. (QA, SSP, Mehsana)
 Modi Neha R. (Med. Chem., Kherva)
 Mori Dhaval D. (Biotech, Rajkot)
 Panchal Gaurav A. (Pharmacology Nirma)
 Parikh Dipali B. (Pharmaceutics, Changa)
 Patel Jimish R. (Chem, NIMS Jaipur)
 Patel Rakesh D. (Pharmacognosy, S. Uni.)
 Patel Dixit D. (Bangalore)
 Patel Hemant M. (QA, Kherva)
 Patel Himani V. (Lect., Shertha)
 Patel Nikalesh R. (Pharmaceutics, Kherva)
 Patel Niraj Y. (QA, Nirma)
 Patel Piyush A. (Pharmaceutics, Pune)
 Patel Pratik K. (QA, SSP, Mehsana)
 Patel Amit V. (QA, SSP, Mehsana)
 Shah Anal A. (RS, Dr. Reddy's Lab)

2008 (19)

Agrawal Prashant D. (Pharmaceutics)
 Hadiya Kishor C. (Pharmacology)
 Modi Jagruti P. (Pharmacognosy)
 Modi Nimesh P. (Pharmacy Practice)
 Patel Kimal A. (QA, Dhule)
 Makwana Kalrav V. (Pharmaceutics, Bardoli)
 Rathod Bhumiika G. (Pharmacognosy, Himatnagar)
 Modi Jagruti P. (Pharmacognosy, Himatnagar)
 Parmar Ronak B. (Pharmacy Practice)
 Parmar Subhash B. (Biotechnology)
 Patadia Riddhish K. (Quality Assurance)
 Patel Kamlesh N. (Pharmacology)
 Patel Nikhil J. (Pharmacology)
 Patel Alpesh R. (Industrial Pharmacy)
 Prajapati Dharmendra S. (HPCP)
 Shah Boni B. (Pharmacognosy)
 Shah Neel D. (Pharmaceutics)
 Shah Viral V. (Pharmaceutics)
 Sheth Avani H. (Medicinal Chemistry)
 Sheth Sanket J. (Pharmacology)
 Varia Umang R. (Pharmaceutics)

(B) Alumni Professional Working/Other

2002 (10)

Kotadiya Jigar D. (Torrent Pharma)
 Maheshchandra Kushwaha (Analyst, Bangalore)
 Mishra Parmand (Bangalore)
 Mistri Vishal R.
 Patel Divya P. (Intas Pharma)
 Patel Navinchandra V. (Wipro)
 Patel Archana D. (Bank, Ahmedabad)
 Shah Khyati R. (House wife)
 Suthar Himanshu N. (Medical store)
 Timania Ashish I. (Torrent Pharma)

2003 (23)

Chavda Jiten D. (ZRC, A'bad)
 Dabhi Jalpa B. (House wife)
 Darji Chetan K. (Production, Cadila Pharma)
 Gandhi Akash P. (Cadila Pharma)
 Heruwala Ketan P. (MR, Lundex Pharma)
 Iproliya Samira M. (House Wife)

Kadia Dipak C. (Australia)
Makwana Vipul J. (MR)
Modi Jitixa D. (Home)
Nampoothri Uma V. (TRC)
Parmar Gautam H. (MR)
Parmar Amit T. (Pharmacist, Indian Railway)
Patel Bhavesh R. (IT Inspe., Bombay)
Patel Ghanshyam J. (RA-II, BAResearch, Abad)
Patel Hiren B. (RA, ZRC, A'bad)
Patel Jayprakash M. (MR)
Patel Tejas G. (TRC)
Patel Zarana D. (House wife)
Shekhada Arvind B. (TRC, Abad)
Sheth Sejal G. (House wife)
Thakkar Purvi V. (House wife)

2004 (17)

Akhunji Chandbibi M. (Pulse Ltd., Himatnagar)
Bhatt Jigar D. (Cadila pharma, A'bad)
Chauhan Nilesh G. (Reg aff, A'bad)
Chodavadiya Mayur P. (Pharma MBA, NIPER)
Darji Darshan D. (Pharma MBA, TRC)
Dholia Vipul B. (Pharma MBA, Intas, A'bad)
Gajera Nilesh H. (Reliance LI., A'bad)
Joshi Bijal C. (TRC, A'bad)
Mankanushiya Najar M.
Mistri Gaurav U. (Alembic lab., A'bad)
Modh Falguni K. (Intas Pharma, A'bad)
Patel Jayshil H. (ICICI Prudential, Gandhinagar)
Patel Saumil B. (Med Ins, Buise, A'bad)
Rathod Himansu J.

Saini Pooja M. (Reg. Affairs, Delhi)

Shah Payal N. (Housewife, Pune)

Suryavanshi Kalrav S.

2005 (23)

Arodia Mohmed I.
Bhavasar Suchit B.
Chaudhary Ashok M.
Dalal Shruti G.
Diwan Nafisha N.
Herma Jayesh T.
Kakkad Ashitosh K. (MR, FDL)
Parmar Dashrath S.

Patel Dipen P. (CRA, Veeda Clinical Research)
Patel Hemant K. (TRC)
Patel Jayesh R. (B.A. Research, A'bad)
Patel Maunish C.
Patel Mehul C. (ZRC)
Patel Pinky D. (TRC)
Patel Ami K. (House wife)
Ramani Gaurav R. (Dr. Reddy)
Rana Manish V. (Claris Pharma)
Raulaji Smita G. (House wife)
Raviya Mehul R. (ZRC)
Sundarsath Priydev L. (IB, Intas Pharma)

2006 (25)

Bhavsar Heta N.
Bhut Jitendra G. (CLC, Abad)
Dangodara Dharmesh A. (Production, Ankleshwar)
Darji Jigar P. (Production, Cipla)
Dulera Nayana H.
Gadhiya Rahul P.
Jani Sunil G. (CR, Lambda)
Khaped Jigna K.
Nurbhanej Mustaq K. (Lect.)
Patel Bhargav V. (Production, Claris Pharma)
Patel Hetal R.
Patel Megha B.
Patel Rachana N.
Rami Yamini B.
Sheladiya Paresh M.
Suthar Kiran R.
Virash Neha D.

2007 (9)

Panchal Biren K. (Lucknow)
Patel Chirag K. (Lect., Dip. Zundal)
Patel Rohan I. (MBA, A'bad)

2008 (30)

Chaudhari Rahul B.
Desai Chitraben S.
Dharaiya Hasmukh B. (Reg. Pharm, Hospital)
Gorawala Viral K.
Goswami Jalpa K. (House wife)
Jain Alpesh A. (Exotic)
Mall Mohammad A.

Mansuri Khushbu A. (Lect., BMCP Modasa)
 Modi Niraj S. (Trying for USA)
 Modi Vinayak B. (MR)
 Parmar Chetan K.
 Patel Bharagavi B. (House wife)
 Patel Harshal P.
 Patel Nandish M.
 Patel Pratik M.
 Patel Preeti U.
 Patel Priyanka R.
 Patel Dharuval G.
 Patel Krunal B.
 Patel Krupal P.
 Patel Vipul R.
 Rathod Bhumika G. (House wife)
 Rathod Pratik N.
 Shah Binal B. (House wife)
 Sharma Kintesh D. (Job)
 Shavadi Nazar Moammad
 Sheikh Zakir M. (Exotic)
 Sheth Ankit A.

M. Pharm 2008 (8)

Dhuwad Khyati (Lect., Shertha)
 Jalodia Prakash (Lect., Dhagandhra)
 Manek Ravi (Ph. D. Conti., Lect., Atkot)
 Modi Dixit (Lect., Bardoli)
 Patel Amish (Lect., BMCPER)
 Rajani Rachana (Lect., Junagadh)
 Ranchcha Punit (Lect., Rajkot)
 Soni Rakesh (Lect., Himatnagar)

Alumni (2009)

M. Pharm. (31)

Barot Hiren P. (IP, SKIPER, Kherava)
 Bhagat Alka P. (Pharmacognosy, SKIPER)
 Bhimani Rushabh A. (Pharmaceutics, Shirpur)
 Chaudhari Ruchi S. (QA, Sarvajani)
 Choksi Harsh A. (Pharmacology, NMIMS)
 Dabhi Kinnari J. (Pharmacology, Anand)
 Dhangar Darshana D. (QA, SKIPER)
 Doshi Bhavik R. (Pharmaceutics, Bhopal)
 Doshi Nishit K. (Pharmaceutics, Bangalore)
 Joshi Bijal P. (Traditional Medicine, NIPER)

Khalas Gunjan J. (Pharmaceutics, Bhopal)
 Kothari Harsh S. (Pharmaceutics, NMIMS)
 Panchal Mayank A. (Pharmacognosy, Bardoli)
 Patel Anjana K. (Pharmacology, Wadhwan)
 Patel Charmi G. (Pharmaceutics, Sarvajani)
 Patel Chintu N. (QA, SKIPER, Kherava)
 Patel Chirag V. (Pharmaceutics, Shirpur)
 Patel Dharmik D. (Pharmacology, Wadhwan)
 Patel Dinesh P. (Pharmaceutics, Bangalore)
 Patel Dhiren J. (Pharmaceutics, Vadodara)
 Patel Grishma H. (QA, Sarvajani)
 Patel Hiren J. (Pharmaceutics, APMC, Himatnagar)
 Patel Mayank D. (Med chem, Bangalore)
 Patel Priyanka D. (Q.A., SKIPER, Kherava)
 Patel Tejas G. (Pharmaceutics, Bhopal)
 Patel Yogin B. (Pharmaceutics, S. Uni.)
 Shah Megha H. (Pharmacognosy, Himatnagar)
 Shah Vishrut S. (Pharmaceutics, Anand)
 Suthar Janak P. (Biotechnology, S. Uni.)
 Suthar Yagnik J. (Pharmacognosy, BMCPER)
 Zala Vishal M. (Pharmacognosy, Rajkot)

Prepared for Abroad (21)

Doshi Ravi D. (GRE / TOFEL)
 Gandhi Yachana D. (GRE / TOFEL)
 Goswami Ravi D. (GRE / TOFEL)
 Kosti Chitrang A. (GRE / TOFEL)
 Modiya Stivan V. (GRE / TOFEL)
 Patel Biral A. (GRE / TOFEL)
 Patel Hemin V. (Now shifted at Canada)
 Patel Jaimin R. (GRE / TOFEL)
 Patel Jinal P. (GRE / TOFEL, Got. VISA)
 Patel Khushali H. (GRE / TOFEL)
 Patel Kunjan M. (GRE / TOFEL)
 Patel Pritesh P. (GRE / TOFEL)
 Patel Shivani M. (GRE / TOFEL)
 Patel Tejas N. (Shifted at London, UK)
 Patel Viren. D. (Shifted at Canada)
 Patel Yamin V. (IELTS)
 Prajapati Nirav B. (GRE / TOFEL)
 Shah Pankhil K. (GRE / TOFEL)
 Shah Zalak Y. (GRE / TOFEL)
 Tripathi Sagar N. (GRE / TOFEL)

Vaghela Tarak R. (IELTS)

MBA(1)

Bhavsar Arati D. (KBIPER, Gandhinagar)

Professional Working (07)

Davda Jagdish L. (Aventis Pharma)

Gandhi Siddhhi M. (Aventis Pharma)

Modi Ketan D. (MR, Modi Pharma)

Modi Mitesh P. (Man Pharma)

Shah Aashka B. (Cadila Pharma)

Shah Ami R. (Cadila Pharma)

Thakkar Tejendra M. (Cipla Pharma)

M. Pharm 2008 (8)

Alimuddin Saifi (Lect.)

Bina J. Aghera (Lect., Junagadh)

Naznin N. Malek (Lect. Khambhat)

Sagar H. Patel

Subhash K. Patel (Lect., Sarsa)

Yogesh A. Patel (Lect., Himmatnagar)

Alumni invited in 61st IPC

Dr. Samit Shah (2002) the youngest speaker, was invited for plenary lecture in 61st IPC, Ahmedabad

Samit Shah**siRNA Based Therapeutics : Progress And Challenges**

Assistant Professor, Department of Pharmaceutical Sciences, South University School of Pharmacy, Savannah, GA, USA.

Small interfering RNAs (siRNAs) have been shown to catalyze the destruction of complementary mRNAs in a sequence specific manner, through a process termed as RNA interference (RNAi). As a novel method of gene silencing, siRNAs have quickly distinguished themselves from other sequence-specific gene silencing methods such as antisense oligonucleotides and ribozymes because of their high potency, specificity and reproducibility. The high potency, specificity and robustness of siRNAs, attributed to the fact that the siRNAs exploit a naturally occurring pathway, has led to the siRNAs being adopted as a standard methodology for silencing specific genes in a variety of mammalian systems. In addition to becoming a standard component of the molecular biology toolkit for silencing gene expression, siRNAs also offer a new therapeutic avenue for the directed control of aberrant gene expression. Studies to test the therapeutic potential of siRNAs in mice have shown that siRNAs can be useful for silencing aberrant gene expression in hepatitis, viral infection, sepsis, tumors and macular degeneration. Despite these encouraging early studies, many challenges such as delivery and stability remain to be overcome for siRNAs to become the next wave of biotechnology based therapeutics. My talk will summarize the mechanism of siRNA induced gene silencing, its role in drug discovery and the current approaches used to bridge the barriers blocking the progression of siRNAs from the lab to the clinic.

Ph. D. Awarded

The M. L. Gandhi Higher Education Society engaged in pharmacy education since 1991 by establishing Diploma Pharmacy College and a nonprofit organization, Shri B. M. Shah College of Pharmaceutical Education and Research, a degree pharmacy college in 1998. The institute also has M. Pharm. in Pharmacognosy. Journey for serving society was not stopped here, institute has also Doctorate program in Pharmaceutical Sciences and to its credit 25 Ph. D. has been awarded by Hemchandracharya North Gujarat University, Patan. The rest of the staff members are also engaged in same. Following is the list of Ph. D. awarded from the BMCPEP.

2003

- **Dr. Bhagirath K. Patel (Dr. R. K. Goyal)**
Pharmacoepidemiology in North Gujarat : Its Implications on Public Health Service
- **Dr. Pranav D. Jogani (Dr. M. C. Gohel)**
Investigation in Co-processed Directly Compressible Adjutants & their use in Pharmaceutical Tablets
- **Dr. Natvarlal M. Patel (Dr. G. C. Bhavsar)**
Studies on Hepatoprotective & other Pharmacological Investigation of Selective Traditional Plant Drugs.

2005

- **Dr. Paresh B. Shah (Dr. B. N. Suhagia)**
Development of Analytical methods & their Applications in the Analysis of Some Pharmaceutical Dosage form.
- **Dr. Ragin R. Shah (Dr. B. N. Suhagia)**
Development of Analytical methods & their Applications in the Analysis of Some Pharmaceutical Dosage form.

- **Dr. Dashrath M. Patel (Dr. M. M. Patel)**
Development & Characterization of fast dissolving Formulations of some poorly water soluble drugs.

- **Dr. Piyush M. Patel (Dr. R. K. Goyal)**
Development of Quality Control Parameter & Standardization of some Polyherbal Formulations used in Diabetes mellitus.

2006

- **Dr. Laxman J. Patel (Dr. B. N. Suhagia)**
Analysis of Adrenoceptor Blockers in Bulk Powder & their Dosage Forms.
- **Dr. Satish A. Patel (Dr. N. M. Patel)**
Studies in Analytical method development of Antibacterial drugs in Bulk & Its Dosage forms.
- **Dr. Viral F. Patel (Dr. N. M. Patel)**
Design & Evaluation of Floating Drug Delivery System.
- **Dr. Bharat G. Chaudhary (Dr. N. M. Patel)**
Studies on Development, Validation & Applications of Analytical Methods for the Analysis of Selected Cardiovascular Drugs.

2007

- **Dr. Ashok B. Patel (Dr. N. M. Patel)**
Development, Validation & Application of Analytical Method for the Analysis of Selected Drugs acting on Gastro Intestinal tract.
- **Dr. D. K. Suresh (Dr. N. M. Patel)**
Pharmacological screening of some Indian Medicinal Plant in Chronic Diseases.
- **Dr. Vipul P. Patel (Dr. N. M. Patel)**
"Studies on Dissolution Enhancement of active Pharmaceutical ingredients from dosage forms."
- **Dr. M. M. Soniwala (Dr. N. M. Patel)**
"Studies in Formulation & Development of Extended Release Dosage Form of Venlafaxine Hydrochloride."

- **Dr. Nehal J. Shah (Dr. B. N. Suhagia)**
"Analysis of Some Angiotensin-II Receptor Antagonist in Bulk powder & their Dosage Forms."

2008

- **Dr. Ketan P. Modi (Dr. R. K. Goyal)**
"Studies on the Anti-diabetic Activity of *Mucuna Pruriens* with Special Reference to Dopamine Receptors & Diabetic Nephropathy."
- **Dr. Sheetal J. Panchal (Dr. R. K. Goyal)**
"Effect of *Oryza Sativa* var. GR-II (*G-17*) on Gastric and Hepatic Functions."
- **Dr. Charmy R. Shah (Dr. B. N. Suhagia)**
"Method Development & Validation for Simultaneous Estimation of Selected CNS Drugs & its Impurities in Bulk & Dosage Form."
- **Dr. Vineet C. Jain (Dr. N. M. Patel)**
"Establishment of Herbal Monograph of Selected Indigenous Indian Medicinal plants by Pharmacognostical & Phytochemical Standardization."
- **Dr. Bipin J. Modi (Dr. C. N. Rawal)**
"Networking Module for Pharmacy Colleges in Gujarat"

2009

- **Dr. Mukesh R. Patel (Dr. N. M. Patel)**
"Development & Characterization of Colon Targeted Drug Delivery System."
- **Dr. Kanu R. Patel (Dr. N. M. Patel)**
"Strategies to Develop Mucoadhesive Drug Delivery System"
- **Dr. Anurag S. Bhargava (Dr. N. M. Patel)**
"Pharmacognostic and Phytochemical Standardisation of Selected Indian Medicinal Plant."
- **Dr. Hiren O. Patel (Dr. N. M. Patel)**
Design and Evaluation of pH and Time Dependant Colon Targeted Drug Delivery System

3. INTERVIEW WITH PH. D. AWARDEE



Dr. Kanu R. Patel
(M. Pharm, Ph. D.)

Topic : "Strategies to Develop Mucoadhesive Drug Delivery System"

Guide : Dr. N. M. Patel
Principal, BMCPEP, Modasa.

I completed B. Pharm from National College of Pharmacy, Shimoga, and M. Pharm from V. L. College of Pharmacy, Raichur.

Sir, can you tell us about the problems faced while your Ph. D. work?

In the beginning, I had faced problems like collection of good research articles, procurement of the drug, excipients (polymers) etc. After procurement of material, double beam UV Visible spectrophotometer in out of order, was another problem. After its reparation my task become easier.

Do you feel that the proper selection of guide makes your task easier?

Yes obviously, guide provides constant moral support and guide in a proper way. Guide plays significant role in any research work. During research work whenever I was under tension or confusion, my guide had given me moral support. I am highly indebted to my guide for successful completion of my Ph. D.

If you imagine, the work on which you are doing, might be also carried out by some one else then do you feel any frustration?

Our research is the expansion of ideas from the earlier researcher. Exhaustive literature survey ruled out the possibility of duplication of research work.

Sir why did you select this topic?

My M. Pharm project was on the muco-adhesive microencapsulation, so I want to extend my project work for Ph. D. Because I have knowledge about mucoadhesive drug delivery system. Another reason behind selection was mucoadhesive micro-encapsulation is a novel drug delivery system. Many Pharma companies are working in the same area.

What are the qualities of researcher that you think a person must process?

The researcher must have desire for getting more and more information regarding his research work. My motto of the researcher was to developed reproducible and useful formulation to the society. It is possible only after acquiring patience, constant reading of quality articles and having moral support.

Which sources of information do you maximum utilized while doing Ph. D.?

I exploit internet as well as adequate knowledge from colleagues as a biggest source of information. I had also utilized good articles available in reputed national, international journals and books. My M. Pharm guide and enthusiastic colleagues also were source of information.

Your work is dedicated whom?

My heartiest gratitude is to my guide, family and friends for directly and indirectly supporting me for my Ph. D. work.

What is your message to the next generation?

Do well and get well, in our profession and try to develop our pharma field. We must try to reach at the maximum height in the field of education, business and pharma organization. My advice to those who gone abroad for higher study should remembered India.

Who is your role model?

Swami Vivekananda and successful person



Dr. Anurag S. Bhargava
(M. Pharm, Ph. D.)

Topic :“Pharmacognostic and Phyto-chemical Standardization of Selected Indigenous Indian Medicinal plants”

Guide : Dr. N. M. Patel
Principal, BMC PER, Modasa.

I accomplished my B. Pharm from L. M. College of Science and Technology, Jodhpur, Rajasthan and M. Pharm from J. S. S. College of Pharmacy, Ooty, Tamilnadu

Sir, can you tell us, what are the problems faced while your Ph. D. Work?

Although my topic for Ph. D. was vague, still I was unable to select plants to be studied. It took six months to select the plants. I have selected seven plants for my Ph. D. study. Later on, I came to know that it was difficult to manage with all plants. Hence I have reduced to four During my research work, I started for isolation of chemical components form major plant which took three years. But, while the characterization, all the compounds were degraded, hence, shifted my concentration to study the interaction of medicinal plants in extract form.

Do you feel that the proper selection of guide makes your task easier?

Well of course. Selection of guide with efficient knowledge and skill always help in giving shape to the work. It is the guide who motivates and gives moral support throughout the research work.

If you imagine, the work on which you are doing, might be also carried out by some one else then do you feel any frustration ?

No, I don't think that this should happen as we carry out exhaustive review of literature, which guides us to select the topic.

Sir, why did you select this topic ?

We can not decide; why particular plants included in the formulation is a lacuna in Ayurvedic literature. Hence, it is a need of a day to find out the interaction of the plants. Enough literature is not available for standardization and purity of crude drugs used in Ayurvedic and herbal formulations. Hence, I selected this topic for research work.

What are the qualities of researcher that you think a person must possess ?

Dedication, Patience, Devotion and insistence towards your work.

Which sources of information do you maximum utilize while doing Ph. D.?

Internet based science, direct books, journals, Library, Industries etc.

Your work is dedicated to whom?

My parents, wife and kid.

What is your message to the next generation?

Do your work as perfect as you can, that is best service to society. Be honest, hard worker and commitment for work which has been assign you. Those who have talent, skills and confidence in his work will definitely come ahead.

Who is your role model?

All beloved Teachers.



Dr. Hiren O. Patel
(M. Pharm, Ph. D.)

Topic : Design and Evaluation of pH and Time Dependant Colon Targeted Drug Delivery System

Guide : Dr. N. M. Patel
Principal, BMCPER, Modasa.

I have completed my B. Pharm and M. Pharm from L. M. College of Pharmacy and joined the Pharmaceutical Industry. During the mid career, I have realized the utilities of the Ph. D. in the Pharmaceutical industry. Discussion with Dr. N. M. Patel and my experience in pharmaceutical industry had encouraged me .

Sir, can you tell us, what are the problems faced while your Ph. D. Work?

While Ph. D. registration, I have selected the broad topic covering the development work on the NDDS, which is the current challenge in the Pharmaceutical industry. On the other side it was very difficult to choose the topic, which would really address the current challenge & provide the platform technology and applicable to other model molecules. It took 6-9 months to select the final technology based topic and finally I have selected pH and Time dependant colon targeted drug delivery system for my Ph.D. work. I struggle lot to finalize the CRO for conducting the Gammascintigraphy study.

Do you feel that the proper selection of guide makes your task easier?

Absolutely, I have no words to express my gratitude for my honored Ph.D. guide Dr. N. M. Patel. I am sure that the guidance is not only limited to the technical front, personal level guidance, which shall be helpful for all at personal career.

If you imagine, the work on which you are doing, might be also carried out by some one

else then do you feel any frustration ?

As a Pharmaceutical scientist, there will be no chance of duplication.

Sir, why did you select this topic?

Protein and Peptide development is the biggest challenge in the Pharmaceutical industry due to the structure complexity of the Peptide, secondary hepatic metabolism. It is really required to develop the platform technology for such type of formulation, which allow the absorption at site of action, minimize the toxicity study and which in results increase the Bioavailability of formulation. It was really found the importance of commercial applicability of pH and Time dependant colon targeted drug delivery system.

What are the qualities of researcher that you think a person must possess?

Research quality is an epistemological issue (related to the study knowledge). It is important to librarians (who manage information resources), scientist and analyst (who create reliable information), decision-makers (who apply information), jurists (who judge people on evidence) and journalists (who disseminate information to a broad audience).

Which sources of information do you maximum utilize while doing Ph.D.?

Really, I do not have limited answer to this, but mainly the information was sourced from Senior Pharmaceutical experts, academic Professor. I have capitalized the information from Pharmaceutical research journals, articles and available information in Internet.

Your work is dedicated to whom?

Of course, to my Family.

What is your message to the next generation?

The next generation must be embraced with the contemporary practices, recent advancement and future challengeable technologies in the Pharmaceutical industry, so as to deliver their best to the society in terms the platform technologies, having the long lasting impact on the Pharmaceutical research arena.

Who is your role model?

All beloved Teachers.

4. COLLEGE NEWS

Research and Publication

Four international and 11 national research and review paper published by teacher of BMCPER in 2009.

NSS

- N. S. S. unit of the college had organized the University sponsored “Diet and Health Awareness” Shibir during November 13 to November 14, 2009 in institute premise.
- N.S.S. unit had celebrated ‘Communal Harmony’ day on November 25, 2009 at College campus.
- N.S.S. unit had celebrated NSS day on September 23, 2009. All Students of Second B. Pharm. had participated
- N.S.S. unit of the college had organized “Plantation” at College campus, Modasa on September 9, 2009 by Dr. A. N. Shah and Dr. N. M. Patel.
- The N.S.S. unit of the college had organized “Celebration of Sadbhavna Day” at College campus, on August 20, 2009.

Thalesamia testing camp

BMCPER had organized the Thalesamia testing camp for new students of Degree and diploma college on September 30, 2009.

Sports Week : (Oct. 12, 2009 to Oct. 14, 2009)

With a view to build up sportsmen spirit, colleges have organized the 'Sports Week' during October 12-14, 2009. Indoor and outdoor games such as; badminton, table tennis, carom, chess, cricket, volleyball, 100m., 200m. races. All the events were live, cheerful and memorable. Results for winner in various games is shown below.

Sports Achievements (2009-10)

Badminton [Boys]

Winner : Mohan Tauseef (Third B. Pharm)

Runner up : Mevada Zalak N. (Final B. Pharm)
Badminton [Girls]

Winner : Solanki Nilam L. (Final B. Pharm)

Runner up : Modi Kinjal J. (Third B. Pharm)

Chess [Boys]

Winner : Rathod Nirav R. (Final B. Pharm)

Runner up : Shah Sunny H. (Third B. Pharm)

Chess [Girls]

Winner : Patel Priti L. (Final B. Pharm)

Runner up : Patel Dhara M. (Third B. Pharm)

Table Tennis [Boys]

Winner : Luhana Jaykishan (Third B. Pharm)

Runner up : Patel Riken B. (Final B. Pharm)

Table Tennis [Girls]

Winner : Patel Priti L. (Final B. Pharm)

Runner up : Patel Dhara M. (Third B. Pharm)

Disk Throw [Boys]

Winner : Patel Piyush C. (Final B. Pharm)

Runner up : Parikh Dhaval N. (Final B. Pharm)

Disk Throw [Girls]

Winner : Nayak Survana M. (D. Pharm-I)

Short Put Throw [Boys]

Winner : Parikh Dhaval N. (Final B. Pharm)

Runner up : Chaudhary Sharad V. (Final B. Pharm)

Short Put Throw [Girls]

Winner : Nayak Survana M. (D. Pharm-I)

Runner up : Jethcol Sahilhusen (D. Pharm-II)

Carom [Boys]

Winner : Mevada Zalak N. (Final B. Pharm)

Runner up : Shah Sunny H. (Third B. Pharm)

Carom [Girls]

Winner : Modi Kinjal J. (Third B. Pharm)

Runner up : Patel Priti L. (Final B. Pharm)

Race 100 m [Boys]

Winner : Chaudhari Sharad V. (Final B. Pharm)

Runner up : Patel Vikalp V. (Third B. Pharm)

Race 100m [Girls]

Winner : Nayak Survana M. (D. Pharm-I)

Runner up : Rathod Anita (D. Pharm-I)

Race 200 m [Boys]

Winner : Chaudhari Sharad V.(Final B. Pharm)

Runner up : Patel Vikalp V. (Third B. Pharm)

Race 200 m [Girls]

Winner : Nayak Survana M. (D. Pharm-I)

Runner up : Bara Mrunali (D. Pharm-I)

Race 400 m [Boys]

Winner : Patel Vikalp V. (Third B. Pharm)

Runner up : Chaudhari Sharad V. (Final B. Pharm)

Race 400 m [Girls]

Winner : Desai Chetna S. (D. Pharm-II)

Runner up : Nayak Survana M. (D. Pharm-I)

Race 800 m [Boys]

Winner : Patel Riken B. (Final B. Pharm)

Runner up : Patel Nirav R. (Final B. Pharm)

Relay race [Boys]

Winner : Chaudhari Ronak H. and his team (Third B. Pharm)

Relay race [Girls]

Winner : Desai Shetna S. and her team (D. Pharm - II)

Cricket [Boys]

Winner : Chaudhary Ronak H. and his team (Third B. Pharm)

Runner up : Chaudhary Shard V. and his team (Final B. Pharm)

Volleyball [Boys]

Winner : Patel Riken B. and his team (Final B. Pharm)

Runner up : Patel Anil V. and his team (Third B. Pharm)

Mr. Jitendra G. Patel, lecturer, received Gold



Medal for securing highest mark (72.3%) in M. Pharm (Pharmacognosy) from Sardar Patel University, Vallabh Vidhyanagar on 52nd Convocation (December 15, 2009)

Guest Lectures

- Mr. Jagdish Patel Career Point Education Academy had presented a seminar on career guidance and higher studies (August 28, 2009)
- Mr. Amit Shah Stevans College of Pharmacy Career Development had delivered lecture on Pharma MBA, as a career in (December 8, 2009)

Library of BMCPER

Library was established with the Diploma Pharmacy College in 1991. It has expanded in terms of available resources and facility for reading not only the pharmacy book but also include journals, magazines related to general science and business purposes. Here are the information highlighting our library.

- Library has the total 1349 number of title, including 5537 volumes worth Rs. 29,18,952.
- This year the institute invests Rs. 138500/- as renewal fees for 67 national 06 international and 05 e-journals. We also have the 55 CD for books and other important information for pharmacy profession.
- Library is connected with Internet facilities, Computer based program to track the status of book. The SOUL software has been installed to computerize the database of books.
- Issue – return of books is carried out with bar coding system for faculty.
- Library provides interlibrary loan facility for utilization of books in the campus.
- Currently well furnished 75 sitting facility is available. There is a separate 10 seated room for staff members.

Mr. Bipin J. Modi

(MLI Sc., Ph. D., LLB) Librarian

Ras Garaba Programme – 2009

Every year college celebrates “Sharad Poornima”. This year Sharad Poornima fall (October 4, 2009) on Sunday, hence *Ras Garaba* and *Doodh Pauva* programme was arranged on Thursday, October 1, 2009. All the students and staff members of Diploma and Degree Pharmacy Colleges were remains present. A decorative Arti was arranged by girls students. Staff members and students had enjoyed by playing Ras Garaba. Other residents of campus, parents and students of sister institutes had also enjoyed entire programme. Tea was arranged by Mr. Nishith J Shah, Son of Ex. President of management. Police had escorted girls student at the end of function. Entire programme was arranged by students. Prizes were distributed to the best players from boys and girls by staff members.

National seminar / conference :

A. Organized

3rd APTI Gujarat State Annual Convention (September 20, 2009)

Third State level annual convention of APTI Gujarat branch was organized on September 20, 2009 Sunday at Shri B. M. Shah College of Pharmaceutical Education and Research, Modasa. Totally 119 delegates from 21 colleges of Gujarat state had participated in seminar. Dr. N. M. Patel, organizer and principal of the institute had welcomed and introduced the guests. Dr. Arun Shah, the president of the M. L. Gandhi Higher Education Society, was presided over the function. Chief Guest of the function was Dr. M. C. Gohel, Principal of L. M. College of Pharmacy, Ahmedabad. Mr. Nanjibhai Vekariya, the president and Mr. G. K. Ruwala the secretary, Self finance Pharmacy College Management Association of Gujarat State were the guest of honour. Dr. C. N. Patel, President, APTI Gujarat

state branch, had briefed the delegates with the activities and role of APTI and insisted for membership. He appreciated for organizing successive 2nd and 3rd state level annual convention of APTI. Dr. P. M. Patel had concluded the inaugural function by vote of thanks.

The theme of the symposium was “Teaching Methodology in Pharmacy Education”. It was divided in three topics, teaching methods in pharmacy, paper setting and evaluation of students in theory and practical and principles of teaching.

Dr. M. C. Gohel had explained various aspects of teaching methodology with suitable examples. Dr. M. L. Joshi, ex. Professor, Dept. of Education, Gujarat University, had narrated the points to be taken into consideration while evaluation of students in practical and theory. In post lunch session, Dr. M. M. Patel, principal, Kalol Institute of Pharmacy, had explained subject wise evaluation of student in theory and practical described suitable instances. Dr. L. N. Patel and Dr. Girish Raval of B. D. Shah Education college, Modasa had illustrated the principles of education.

This was followed by panel discussion on “Strip rise in Pharmacy Institute vs. Quality of Education”. Dr. C. N. Patel had chaired the panel debate. Dr. N. M. Patel had given the brief review of present scenario about increasing number of pharmacy colleges in Gujarat state, quality of teaching and how to sustain with. Dr. U. M. Upadhyay, Principal, Sigma Institute of Pharmacy, Baroda, had given history of pharmacy institutes and role played by Gujarat government. The seminar was concluded after high tea. Feed back from delegates were collected and certificates were issued.

Dr. N. M. Patel
Principal, BMC PER

University Shibir : "Health and diet awareness"
(November 13-14, 2009)



Hemchandracharya North Gujarat University, Patan, had granted university level "Health and Diet Awareness" shibir was held on November

13-14, 2009 at Shri B.M. Shah College of Pharmaceutical Education and Research, Modasa.

Total 74 students took part in this shibir from 32 different colleges affiliated to University. The shibir was inaugurated with lightening the lamp by Mr. M. V. Shah, vice president, M. L. Gandhi Higher Education Society, Mr. Kanubhai R. Patel, ex E.C. member HNGU, Dr. N. M. Patel, Principal and NSS program officer Dr. P. M. Patel. Guests had appreciated the interest shown by participants for attending the shibir.

On November 13, 2009; immediately after inaugural function Dr. Piyush Singh, lecturer, Arts college Modasa had delivered lecture on "Diseases due to deficiency in diet", Dr. Bhavnaben Shah, home science department, Arts college had delivered a lecture on "Care to be taken before and during preparation of food to maintain nutrients in the food". In post lunch session Dr. Jagdishbhai Prajapati, Science College, Modasa had delivered lecture on "Sources of nutrients in food" and Dr. N. M. Patel, principal, had delivered lecture on "Obesity and its treatments".

In the evening, after dinner, a culture program had been organized. Participant had performed mono-acting, poems, quotations and jokes on themes on no alcohol, no tobacco, healthy diet, Save girls child and patriotism.

On second day of shibir November 14, 2009; resource persons from SBKS Medical College, Baroda had delivered lectures. Dr. Niraj Pandit,

Associate professor, had delivered lecture on "Role of diet in healthy individual", Dr. Manish Kathad, Asst. Prof., had delivered lecture on "Anaemia in adolescent" and Dr. Yogesh Patel, Asst. Prof., delivered lecture on "Habits of healthy individual".

The valedictory function of the shibir was arranged after lunch, in presence of the Chief guest Dr. M. M. Patel, former vice chancellor HNGU, president of the function Dr. A. N. Shah, and Dr. N. M. Patel, Principal. Dr. P. M. Patel, N.S.S. Program officer, had given vote of thanks. Two participants had express their responses and experience during the shibir.

- Dr. N. M. Patel
Principal, BMC PER

"National Pharmacy Week"

(November 15 to 21, 2009)

Inaugural function was held on November 14, 2009, Saturday under the president ship of Dr. A. N. Shah, Chairmanship, The M L Gandhi Higher Education Society, Modasa and Dr. M. M. Patel, Principal, Kalol institute of Pharmacy, Kalol was present as chief guest. Function started with prayer by students. Dr. N. M. Patel, Principal, had introduced the guests and National Pharmacy Week. After floral felicitation, Dr. M. M. Patel had explained the scope and future of pharmacy in India and abroad. He presented recent data of pharmaceutical market in India. It is obligatory for all pharmacy students to support the organizer for conducting such type of program for upliftment of pharmacy profession was stressed by Dr. A. N. Shah. A lecture on 'Emergency Management of Poisoning' was delivered by Dr. M. M. Patel. He focused on majority of accidental poisoning are due to faulty administration of drugs, careless handling of life saving drugs and toxic and hazardous chemicals. Banners and stickers promoting pharmacy profession were displayed

on prominent public place like hospitals, bus station, medical stores and road entering in Modasa. Chemist and Druggist of Modasa were also participated. All the faculties of college had delivered lectures to high school students in Modasa, Malpur, Megraj, Himatnagar, Amedabad, Lunawada etc. for awareness to make their career in pharmacy. Topic in lecture were covered; what is pharmacy profession, the scope of pharmacy, status of pharmacist in India and abroad, recent scenario of pharmacy in the world and Pharmacy as education. These lectures had motivated students of 12th science for making pharmacy as their career. An elocution competition was arranged on November 19, 2009, Thursday on topics like 'Make Pharmacy your career' 'Role of Pharmacist in Patient Counseling' 'Commercialization of pharmacy education in India' and 'Scope of Pharm. D in India'. Eleven students had participated. Poster competition was arranged on November 20, 2009, Friday. The posters were prepared on the theme "Make Pharmacy Your Career". Twelve students had participated and 240 students of college were benefitted. A quiz competition was also arranged on the same day. Twenty five students had participated. Dr. Haribhai Patel, Dr. Arun Shah and Dr. N. M. Patel had given green signal to a rally of 350 students and faculties on November 21, 2009, Saturday. The participated students in rally had posters and banners with slogan on make pharmacy your career. A valedictory function of NPW was arranged after conclusion of rally. Dr. H. P. Patel was present as chief guest and Dr. A N Shah had presided over the function. Prizes were distributed to the winners of Poster presentation, Elocution competition and Quiz competition to encourage participation in such events. Pharma Exhibition was organized by our college on December 22, 2009 Tuesday under the auspicious occasion of Golden Jubilee celebration of The M.

L. Gandhi Higher Education Society, Modasa and as a part of NPW celebration. Seven hundred forty four eleventh class science stream students and 23 teachers of seven higher secondary schools from Modasa town visited it.



B. Attended

APTICON - 2009 (October 3-4, 2009)

Fourteenth Annual National convention of APTI was held during October 3-4, 2009 at L. M. College of Science and Technology - Pharmacy wing, Jodhpur, Rajasthan. More than 1000 delegates through out India had participated. Principal along with four M. Pharm students had attended this conference. The theme of the convention was "Expanding the mind through knowledge management".

Inaugural function was followed by registration and breakfast. Prof. P. C. Dandiya was presided over the function. Dr. B. P. Nagori, the chairman organizing committee, and principal, had welcomed and introduced the guests. He also highlighted the development and history of his institution. This convention was arranged during the Golden Jubilee celebration of the institute. Dr. P. G. Yeole, the president of the APTI, in his presidential address had glimpse about pharmacy education, pharmacy profession and pharmacy teachers in India. He also forecasted future of

pharmacy education in India. Dr. S. S. Agrawal, DIPSAR - New Delhi, highlighted about the sources of funding for research and staff developments. Dr. C. Kokate, the V. C. of KLE Health University, Belgaum, had given the history of APTI. Dr. Sivanad, the secretary- APTI, had given brief account of APTI activities during the year. Dr. Sanjay Pai, editors-IJPER, had given brief history of IJPER. Various awards constituted by APTI were given as

- Life time achievement for the year 2009. - Dr. C. K. Kokate the Vice Chancellor of KLE Health University, Belgaum
- Best Principal of the Year - Dr. Sathish B. Bhise, Principal, Govt. College of Pharmacy, Karad.
- Bharti Vidyapith's Best Pharmacy Teacher of the year 2009 - Dr. K.V. Raman Murthy, Prof. University College of Pharm. Sci. Andhra University.
- APTI young pharmacy teacher of the year 2009 - Dr. (Mrs.) Anjula Baboota, Dept of pharmacy, Jamia Hamdard.
- APTI - Dr. (Mrs) Manjushree Pal Memorial award - the Pharmaceutical Scientist of the year 2009 was given to Dr. A. N. Mishra, Professor, Dept. of Pharmacy, M. S. University, Baroda.
- Dr. G. C. Bhavsar was conferred with G. P. Srivastva memorial award.
- Following are the list of awardee for best paper published in IJPER in 2008
- Pharmaceutical Education- Molecular Bio-Pharmaceutics at P. G. level- Pattani Aditya and Patravale Vandana B.
- Pharmaceutics - Chaudhari pravin, Chaudhari shilpa, Barhate Nilesh, Mistry Chetan and Kolsure pramod.
- Pharmacology - N. M. Mahesh
- Pharmaceutical Chemistry - Bariwal J. B.,

Shah A. K., Kadiravan M. K., Sonami R. S., Jagatap J. R., and Jain K. S.

- Pharmaceutical Analysis - Jeganathan N. S. and Kannan K.
- Pharmacognosy - Pulok Mukharjee Satheesh Kumar N. and Michel Heinrich
- Pharmacy Practice - Beena Jimmy, G. Parthsarathi and Jimmy Jose.

Inaugural function was concluded after vote of thanks.

KLE oration lectures were delivered in post lunch session by Dr. B. G. Nagavi on 'Problem Based Learning and its Relevance to Pharmacy Education in India' and Dr. A. K. Nasa, Ex. Drug Control Officer, on 'Counterfeit Medicine'. The session was chaired by S. L. Nasa and Dr. Arun Garg.

Dr. Bagavant Memorial lecture were delivered Raguram Rao, professor, Punjab University, Chandigarh, on 'Non Steroidal Aromatase Inhibitors in Breast Cancer Therapy' and Dr. J. B. Dave, professor, SSPC, Mehsana, on health Care and Self Culture as Objective of Mind and Knowledge Management'. Dr. N. K. Gurbani, Jaipur, and Dr. Pulok Mukharjee had chaired the session.

54th IPC, Pune commemorate lecture were delivered by Dr. O. P. Joshi, Dy. Secretary, New Delhi, on 'CPCSEA Guideline; Role in Research' and Dr. Ashok Soni, Senior Advocate, Rajasthan High Court, on 'Introduction to IPR'. Dr. N. Udupa and Dr. Vinod Kalani were the chair person.

APTI general body meeting was arranged under the president ship of Dr. P. G. Yeole. Report of last meeting was read and passed. In last meeting change in constitution were suggested, but no suggestion were received. It was decided to hoist APTI constitution on web site and invite the suggestion. Dr. C. K. Kokate had given the proposal for Continuing Training Program for

Pharmacy Teacher. Proposal was unanimously accepted by all the delegates and decided to raise the funds from government, teachers and industries. A team was selected under chairmanship of Dr. C. K. Kokate. Problem relating to GATE exam was discussed. Dr. C. K. Kokate had explained in detail and he is in close contact with persons of higher authorities to resolve. It was decided that next 15th APTI convention will be held at Hyderabad during October 1-2, 2010.

A grand cultural program 'Eligium' was presented by students of the college. Various items representing each state were presented. Simultaneously dinner was arranged in college lawn under open sky with full moon of 'Sharad Purnima'. It was really ever remembering event.

Next day session start with breakfast. Seventh APTI Annual National Convention commomorate lecture were delivered by Dr. Ankur Gupta on 'Developing Thinking Skill' and Prof. Varun Arya on 'Sustaining Success in Global Melt Down'. Prof. G. P. Agrawal, Sagar, and Dr. M. D. Burande, Pune, were chair persons.

Prof. G. P. Srivastava memorial lecture were delivered by Dr. Kishor Jain, Shihgarh, on 'Microwave Assisted Parallel Synthesis of NCE Libraries for New Drug Discovery Research' and Dr. Sayog Jain on 'Nano Medicine challenges and opportunities'. Session was chaired by Dr. V. K. Dixit, Sagar, and Dr. Mukul Mathur. Professor M. L. Schroff memorial lectures were given by Dr. B. P. Nagori, Jodhpur, on Good Teaching Practice and Code of conduct for Pharmacy Teacher' and Prof. Rakesh Gupta on 'Good Laboratory practice - an over view'. Mr. S. C. Pant, Jaipur, and Vijay Sing were the chair person.

Speech competition was arranged on the topic 'Should we abolish AICTE'? More than 10 delegates were participated and 18 delegates in Quiz competition.

Scientific session for poster paper presentation was arranged. More than 400 papers were presented in subjects like; Pharmaceutical Education, Pharmaceutics, Pharmacology, Pharmaceutical Chemistry, Pharmacognosy and Pharmacy Practice. Prizes for best paper presenter were given.

Symposium was concluded in open session under the chairmanship of Dr. P. G. Yeole. Prizes for winner in speech, quiz competition and poster presentation were distributed. All delegates congratulated Dr. B. P. Nagori and his team as best facilitators by standing on place and clapping. Delegates were dispersed after enjoying high tea. Hotel accommodation was arranged in Arid Forest Research Institute (AFRI) guest house in Jodhpur.

Dr. N. M. Patel
Principal, BMC PER

Alternative Synthetic Strategies for Drugs and Drug Intermediates

(November 13, 2009)

Mr. L. M. Prajapati had attended a national seminar held at Institute of Pharmacy, Nirma University on November 13, 2009. on "Alternative synthetic strategies for Drug and drug intermediates"

The inaugural function started at 10.15 am. The chief guest of function was Prof C. J. Shishoo, Honorary Director, B. V. Patel PERD Centre. He explained how the chemistry people can help to reduce worldwide pollution. The presidential address was delivered by Dr. H. V. Trivedi, Director, Academic Development and Research Cell, Nirma University. The scientific session started with a lecture by Dr. P. M. S. Chauhan, Scientist, CDRI, Lucknow. He explained nicely how different heterocycles can be synthesized

using solid phase reagents. Prof A. K. Chakraborti, Professor and Head, Dept. of Medicinal Chemistry, NIPER, Chandigarh, talked on 'A novel concepts for sustainable synthesis' and explained the role of ionic liquids in chemistry.

In post lunch session the lecture was delivered by Prof. M. R. Yadav, Pharmacy Department, M. S. University Vadodara. He covered all the basic concept and techniques of green chemistry. He also explained what could be alternative techniques which can help to reduce industrial pollution. Dr Bipin Pandey from ZRC, Ahmedabad, talked on peptide synthesis using solid phase. The session ended with a lecture by Dr. B. K. Shrivastava, ZRC, Ahmedabad. He discussed on how microwave techniques can help in synthesizing the basic heterocycles.

Laxman M. Prajapati

Asst. Prof., BMCPER

61st Indian Pharmaceutical Congress
Nirma University Campus, Ahmedabad
 (December 11-13, 2009)

The theme of the convention was "Building Trust in Safety & Efficacy of Medicines". More than 10,000 delegates from all the states of India representing various fields like Academic, Industry, Regulatory, Hospital & Community had participated. Dr. N. M. Patel, Dr. P. M. Patel, Dr. K. R. Patel, Mrs. R. S. Patel and nine students had attended the conference. Chief Minister Shri Narendra Modi had inaugurated the function. Shri Jay Narayana Vyas and Shri Prabhatbhai Patel were also remain present as a guest of honour. Shri S. W. Despande, the drug controller general of India had presided over the function.

More than 50 plannery lecturers in advanced subjects were delivered by 23 resource persons from foreign countries. Our Alumni Dr. Samit Shah, Asst. Professor, South University School of Pharmacy, GA, USA had delivered a lecture. There were more than 2800 research papers for poster presentation in various subjects. More than 100 dignitaries from India and abroad had extended their services as a chairman & co-chairman for evaluation of papers. Best paper presenters were awarded in validictory function. Nine papers were presented from our college. Dr. N. M. Patel had served as a co-chairman in the subject of Pharmacognosy and Phytochemistry.

A Pharma Expo was arranged. Nearly 280 manufacturers had display their products for manufacturing, processing, analysis, safety, publication etc. Various Alumni and professional association meeting were also held.

Entertainment programme on December 11 was arranged with song by famous singer Sunidhi Chauhan and famous artist from Gujarat. Open session of IPCA was held on last day; December 13, 2009 and resolution were passed for betterment and upliftment of pharmacy profession and decided to send resolution in respective departments for pursuing the matter. Next IPC will be held at Manipal.

Dr. N. M. Patel
 Principal, BMCPER

"The issue that all of us face is that Alumni love to have the institution frozen in amber. The truth of the matter is that for an Institution to survive, it has to grow, to look at the world as it is rather than how they want it to be."

5. STUDENT CREATION

A Rhythm for Rhythm

Daily rhythms in plants and animals have been observed since early times. As early as the fourth century BC, Alexander the Great's scribe Androsthenes noted that the leaves of certain trees opened during the day and closed at night showing a clear rhythmicity.

Study of biological rhythms and the mechanisms of biological timekeeping are called as Chronobiology.

Major rhythmic components:

1. Ultradian More than one cycle per 24 h
2. Circadian 24 h cycle
3. Infradian Less than one cycle per 24 h
4. Circaseptan 7 days cycle
5. Circamensual 30 days cycle
6. Circannual 1 year cycle.

The term "circadian" was coined by Franz Halberg from the Latin circa, meaning about, and dies, meaning 'a single day'. Circadian rhythms of behavior in mammals are known to be robust and precise. Drug Rhythm to match diseases rhythm Many chronic and acute medical conditions exhibit prominent circadian patterns of symptom manifestation and severity. Among the many examples are allergic rhinitis, bronchial asthma, and peptic ulcer disease; all tend to worsen overnight. The symptoms of rheumatoid arthritis are worse in the morning, while those of osteoarthritis are worse at night. The risk of many cardiovascular events, like angina pectoris, myocardial infarction, and thrombotic and hemorrhagic stroke, is greatest in the morning. Abnormally high blood pressure, i.e., hypertension, which is not a disease but a major risk factor for cardiac and vascular disease, displays different circadian patterns in different patient groups.

Circadian rhythms in gastrointestinal, liver, kidney, and other bodily processes and functions are of great importance for therapeutics, for example, in choosing when to administer medications in relation to rhythm influences on their pharmacokinetics, effect-duration, efficacy, adverse effects, and beneficial outcomes. The circadian time when medications are ingested, injected, infused, or applied by any other route may be a very powerful determinant of their efficacy and safety. In very aggressive medical conditions, the circadian timing of medications may even play a role in patient survival.

The effectiveness and toxicity of many drugs vary depending on the relationship between the dosing schedule and the 24-h rhythms of biochemical, physiological and behavioral processes.

Chronopharmaceutics is a branch of pharmaceutics devoted to the design and evaluation of drug delivery systems that release a bioactive agent at a rhythm that ideally matches the biological requirement of a given disease therapy.

Manish Narula
I/c. Principal, BMCP

Coconut Water / Madafu

Facts about coconut water

- Coconut water is naturally sterile Water because permeates through the filtering husk!
- It is a universal donor. It is identical to human blood plasma with no antigen
- During the Pacific War of 1941-45, both sides in the conflict, regularly used coconut water, Siphoned directly from the nut, to give emergency plasma transfusions to wounded soldiers..
- It is consumed fresh in tropical coastal areas. Once exposed to air, the liquid rapidly loses

most of its organoleptic and nutritional characteristics and begins to ferment.

- It is more nutritious than whole milk - less fat and no cholesterol!
- It is more healthier than orange juice - much lower calories
- It is better than processed baby milk- It contains lauric acid, which is present in human mother's milk
- It has saved lives in 3rd world countries though Coconut IV.
- It contains more potassium (294 mg) than most sports drinks (117 mg) and most energy drinks.
- It has less sodium (25mg) than sports drinks (41mg) and energy drinks (200mg).
- It has 5 mg of natural sugars where sports and energy drinks range from 10-25mg of altered sugars.
- It is very high in Chloride (118mg) compared to sports drinks (39mg).
(Data is based on a 100ml drink)
- It is the very stuff of nature, biologically pure, full of natural sugars, salts, and vitamins toward off fatigue and is the next wave of energy drinks but natural. (According to Mortin Satin, Chief of the United Nation's Food & Agriculture Organization.)

Dharmesh Prajapati
Lecturer, BMC PER

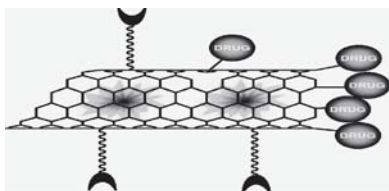
First time in the field of Medicine

- Modern Medicine began with the publication of the first complete text book of Human Anatomy " De Humanis Corporis Fabrica" by Andreas Vesalius (1543)
- The First Artificial limbs were invented by Ambrose Pave (1575)

- William Harvey discovered that blood circulates though the body and named heart as the organ responsible for pumping the blood (1615)
- Nitrous Oxide(laughing gas) was first synthesized by English chemist and natural philosopher; Joseph Priestley (1793)
- Morphine was discovered by Friedrichm Wilhelm Adam Serturner (1804)
- The first medical thermometer was invented by Thomas Allbutt (1867)
- The first contact lens was invented by Adolf Fick (1887)
- Austrian biologist Karl Land Steiner and his team discovered four blood groups and developed a system of classification (1902)
- The first corneal transplant was done by Edward Zirm (1906)
- Earle Dickson invented the band aid (1921)
- The idea of blood bank was pioneered by Dr Charles Richard Drew (1930)
- Sir Alexander Fleming discovered Penicillin, which came in use as antibiotic (1940)
- John Hopps, a Canadian, invested the first cardiac pace maker (1950)
- Frank B. Colton developed Envoid, the first oral contraceptive (1952)
- The first heart transplant was performed by Christian Barnard (1967)

Tarak Mehta
Lecturer, BMC PER

Carbon –Nanotubes in Drug Design and Drug Delivery



Multi-walled carbon nanotubes have been covalently functionalised *via* 1,3-dipolar cyclo addition of azomethine yields with orthogonally protected amino functions that can be selectively deprotected and subsequently modified with drugs and fluorescent probes. Carbon nanotubes (CNTs) have been proposed and actively explored as multipurpose innovative carriers for drug delivery and diagnostic applications. Their versatile physicochemical features enable the covalent and noncovalent introduction of several pharmaceutically relevant entities and allow for rational design of novel candidate nanoscale constructs for drug development.

Carbon nanotubes and functionalization

CNTs can be functionalized with different functional groups to carry simultaneously several moieties for targeting, imaging and therapy. Ammonium-functionalized CNTs can also be considered very promising vectors for gene-encoding nucleic acids. Indeed, we have formed stable complexes between cationic CNTs and plasmid DNA and demonstrated the enhancement of the gene therapeutic capacity in comparison to DNA alone. On the other hand, CNTs conjugated with antigenic peptides can be developed as a new and effective system for synthetic vaccine applications. What makes CNTs quite unique is their ability, in the nanoneedle mechanism. In that way, CNTs opens innumerable possibilities for future drug discovery based on intracellular

targets that have been hard to reach until to day. Moreover, adequately functionalized CNTs as those shown in caution is advised about the need for systematic data on the long-term fate of these very interesting and versatile nano-objects in correlation with the type of CNT material used. CNTs are gradually playing a bigger and more important role in the emerging field of nanomedicine; however, we need to guarantee that the great opportunities they offer will be translated into feasible and safe constructs to be included in drug discovery and development pipelines.

Double functionalization of carbon nanotubes for multimodal drug delivery:-

Functionalization of CNT is a key step for the integration of this new material into different systems for technological and biomedical applications.. F-CNT loaded with different peptides, proteins and nucleic acids are able to deliver their cargos into cells. Covalent functionalisation of CNT with drug (e.g. anticancer, antiviral or antibacterial agents) molecules is instead a field of research still poorly explored. In addition, attachment of a fluorescent molecule would provide optical signals for imaging and localisation of the CNT– drug conjugates.

Applications of F-CNT

- Gene Delivery
- Infectious Disease
- Oncology
- Vaccination
- As nano containers

Tarak Mehta
Lecturer, BMCPER

Career Opportunities- Pharmacy profession

A career in pharmacy, unfolds a vista full of opportunities leading to a golden future for a young career aspirant. The job opportunities, working conditions, job satisfaction and monetary benefits are excellent. It is involved in all the stages related to discovery, development, action, safety, formulation, use, quality control, packaging, storage and marketing a drug. Pharmacists work for the government, veterinary medicine, public health care services, the armed services, or pharmacy associations. Thus, today's pharmacy professional is a "drug expert" in the real sense. The profession of pharmacy has transformed into a hub for the "Global Healthcare" and evolved as a multidisciplinary, multifaceted curriculum.

Pharma industry is a multibillion \$ business. In the rapidly changing global scenario and the implementation of GATT & TRIPS in India, now a matter of only a couple of years, the pharmaceutical industry and professionals will play a vital role in shaping up our national economy.

This new decade is thus, bound to have an ever growing demand of pharmacy professionals not only in the country, but even worldwide. Anticipating this demand the government has taken special steps to boost this unique discipline having a blend of both; technology, as well as, health sciences.

The various vocations in a pharmacy professional can opt for are listed below;

- Production and Manufacturing
- Research and Development
- New Drug Discovery Research
- Process Development

- Formulation and Development
- Clinical trials, Bioequivalence and Toxicological studies
- Analysis and Testing
- Marketing
- Hospital Pharmacy
- Community Pharmacy
- Regulatory Affairs
- Documentation, Library Information Services.
- Pharma Journalism is another area filled with great potentialities.
- Consultancy

This is an ideal opportunity for highly technical and experienced pharmacy professionals to earn handsomely as self-employed entrepreneurs, even after the age of retirement. Consultancy services in Pharmacy are offered in various fields against very attractive financial fees

Opportunities in Abroad

Golden opportunities for qualified Pharmacy professionals in various countries including the U.S.A., Canada, European Countries like U.K., France, Germany, African Countries like S. Africa, Nigeria, Yemen, Gulf Countries like Saudi Arabia, Kuwait, South East Asian Countries like Singapore, Korea, Japan, etc. and the Australian Continent including New Zealand. There are plenty of higher education and research opportunities in the developed western countries along with excellent job openings.

In developed Western countries the job opportunities are manifold and almost in any one of the ten vocations discussed above. So the pharmacy profession have great future ahead

Navin G. Jalwania
Final B. Pharm.

“Scope of Pharm. D In India”

The practice of pharmacy includes the custody, preparation and distribution of pharmaceutical products along with providing advice on health and nutrition related issues. A pharmacist today needs to be fully equipped with all these capabilities.

In India, the pharmacist is considered to be a worker in a pharmaceutical factory or a salesman in a retail pharmacy. Today the role of a pharmacist is undergoing major changes over the globe as outstanding progress made by the pharmaceutical science and education. This image has to change and it can be done only by raising the educational standards of pharmacists. So the PCI (Pharmacy Council of India) has introduced PharmD educational program under the Pharmacy Act without any prejudice to already existing B.Pharm course. PharmD program will add new measures to pharmacy practice and pharmaceutical care.

In India, only doctors are involved in the diagnosis and treatment of disease although, they do not actually have sufficient knowledge about drug interactions which lead to side effects and related problems. In our society doctor are respected while pharmacist receive no social honor. PharmD includes onsite practical training in patient wards. The training will include pharmacists' participation in monitoring prescription in outpatient departments, skill of diagnosing, running drug information centers, contribution in drugs and therapeutics committees etc. The pharmacist will be able to help the patient using medicines moreover taking part in clinical decision making.

A candidate could find job in hospitals, can run his own clinic and capable of prescribe medicine to patient with wide margin of safety and efficacy. This would create a new way of self employment

to pharmacist. It will uplift respect to pharmacy profession in the society.

PharmD will play a crucial role in industrial practice. It will provide a candidate with full knowledge about qualities that would lead to success in pharmacy profession. In research and development department PharmD candidates will play key role and open new horizon. Also in clinical trials and clinical research, pharmacist play major role in advancement of newer techniques and that leads to fastening of the new drug discovery. They will also take part in pharmaco- economics and pharmacotherapeutics ultimately economically beneficial.

In summary, it is crystal clear that only permanent thing in this world is "Change". The ever changing world calls for dynamic and constructive changes in the education system. Antediluvian things do not survive in present scenario. So D. Pharm is going to be replaced by PharmD that would create a big opportunity for an Indian Pharmacist.

Keval P. Patel

Third B. Pharm

Success

The Road to success is not straight.

There is a curve called ‘failure’.

A loop called ‘confusion’.

Speed bumps called ‘bad friends’.

Red lights called ‘enemies’.

Caution lights called ‘family’.

You will have flats called ‘jobs’.

But, if you have a spare wheel
called ‘determination’.

An engine called ‘perseverance’.

Insurance called ‘faith’.

A driver called ‘God’

You will make it to a place called ‘SUCCESS’.

Tarak Mehta

Lecturer, BMCPEP

બોસ, આ ગુજરાત છે !

અહીં પ્રેમ કેરો સાદ છે, પ્રભુજીનો પ્રસાદ છે
ને પ્રકૃતિનો વરસાદ છે !....બોસ, આ ગુજરાત છે !
અહીં નર્મદાનાં નીર છે, માખણ અને પનીર છે
ને ઉજળું તકદીર છે !....યસ, આ ગુજરાત છે !
અહીં ગરબા-રાસ છે, વળી જ્ઞાનનો ઉજાસ છે
ને સોનેરી પરભાત છે !....અલ્યા, આ ગુજરાત છે !
અહીં ભોજનમાં ખીર છે, સંસ્કારમાં ખમીર છે
ને પ્રજા શૂરવીર છે !....કેવું આ ગુજરાત છે !
અહીં વિકાસની વાત છે, સાધુઓની જમાત છે
ને સઘળી નાત-જાત છે !....યાર, આ ગુજરાત છે !
અહીં પર્વોનો પ્રાસ છે, તીર્થો તણો પ્રવાસ છે
ને શૌર્યનો સહવાસ છે !....દોસ્ત, આ ગુજરાત છે !

Ronak Shah

B. Pharm. Semester-III

જીવન એક ક્રિકેટ છે...

સૃષ્ટિ કે ઈસ મહાન સ્ટેડીયમ મેં, ધરતી કી વિરાટ પીચ પર
સમય બોલીંગ કર રહા હે, શરીર બલ્લેબાઝ હે ઈશ્વર કે ઈસ
મહાન આયોજન મેં, અમ્પાયર ધર્મરાજ હે બિમારીયાં ફિલ્ડીંગ
કર રહી હે, વિકેટ-કીપર યમરાજ હે સંઘર્ષ હમારી બીટવીન ધ
વિકેટ, ઔર પ્રાણ હમારી વિકેટ હે, યહી જીવન કા સત્ય હે,
લીખ રહા હે દેવાંગ આજ જીવન એક ક્રિકેટ હે.

Devang Upadhyay

B. Pharm. Semester-III

‘Mother’s love

Why MOTHER is so special ?
When I came drenched in the rain,
Brother asked, Why dont you take an umbrella ?
Sister advised,
Why didn’t you wait till rain stopped ?
Father angrily warned,
Only after getting cold you’ll realize.
But Mother, while drying my hair,
said, stupid rain !!!
Couldn’t it wait till my child came home....

Kruti Shah

B. Pharm. Semester-III

Bachpan

I want to go back to the time
when getting high meant swinging
when drinking meant coca cola,
when dad was the only hero,
when love was moms hug,
when dads should or was the highest
place on earth.

When worst enemies were your siblings.
when your sleep was endless.
when all the phone were only landlines.
when the only that could hurt were

skinned knees.

When the only things broken were toys and when
goodbyes meant only till tommorow.

Kruti Shah

B. Pharm. Semester-III

કોઈને ખબર નથી

જીવન છે કેટલું કોઈને ખબર નથી.
મોતનાં આગમનની કોઈને ખબર નથી.
કરી લો આનંદ આ જીવનમાં સુખ છે કેટલું કોઈને ખબર નથી.
દુઃખનાં દિવસોય આવશે જીવનમાં છીનવાઈ જશે આનંદ તમારો
સુખ ફરી ક્યારે આવશે કોઈને ખબર નથી.
રડવાનાં દિવસોય આવશે જીવનમાં છીનવાઈ જશે હાસ્ય તમારું
હાસ્ય ફરી ક્યારે આવશે કોઈને ખબર નથી.
જીવન જીવવા માટે છે જીવી લો મનભરી,
જીવન છે કેટલું કોઈને ખબર નથી.
મોત પણ આવશે આ જીવનમાં જવું પડશે આ જગ છોડી એક દિવસ
મોતનાં આગમનની કોઈને ખબર નથી.

Dharmendra Solanki

B. Pharm. Semester-III

Money Means

M :- Make Good Use
O :- Observe Expenses
N :- Necessary Purchase
E :- Earn Well
Y :- “Yes” to Good relations

Sahil Jethara

D. Pharm. Part-II

પ્રેમની અભિવ્યક્તિ

આવે છે વાત હોઠ પર, પણ કહી શકતો નથી.
ઈશારાનું છે જે કામ, તે આંખથી કરી શકતો નથી.
લઈને આવ્યો છું નિર્ણય, કે આજે તને કંઈ કહેવું છે.
વધી ગયેલી ઉધારીનું દેવું આજે ચુકવવું છે.
યુવાન બનેલી વસંતમાં ભ્રમર બની ભમવું છે
સોહામણી સુગંધ જો તમે આપો તો ફુલ બની મહેકવું છે.
મન મારું કહેતાં તો કહી ગયું તને,
ચકાસી લેજે દરેક પંક્તિનાં પહેલા અક્ષરને

Rahul Baranda
B. Pharm. Semester-III.

Love

| | | | |
|------------|----------------|---|-------------------|
| L : | Lake sorrow | : | દુઃખનું સરોવર |
| | Lost of Money | : | પૈસા ગુમાવવા |
| O : | Out of mind | : | મગજ નબળુ પડી જવું |
| | Ovean of sea | : | આંસુઓનો દરિયો |
| V : | value down | : | સમાજમાં ઈજાત ઘટે |
| | Vally of death | : | મોતની ખીણ |
| E : | End of life | : | એજ જીવનનો અંત |
| | End of life | : | જીવનનો અંત |

Dipak R. Patel
D.Pharm Par-II.

English Words ની કરામત

“CityLife” ની વાત છે અજાયબ ભરી દોસ્તો !
“English Words” અહીં બહુ સસ્તા છે દોસ્તો !
“Good Morning” કહી ને અહીં સવાર પડે છે.
“Thanks” અને “Sorry” પર માણસ દોડતો રહે છે.
“Hi” and “Hello” પોતાના શ્વાસમાં લે છે.
“Bye” and “Bye” ને ઉચ્છ્વાસમાં બહાર કાઢે છે.
“Good afternoon” ની મીઠાસને બપોરની ચાહમાં ઓગાળે છે.
“Please” કહેતા અહીં દોસ્તી થઈ જાય છે.
“Shut-up” કહેતા અહીં છૂટી પણ જાય છે.
હા ! અહીંની જીંદગી બહુ “Quick” છે. દોસ્તો.
મોત પણ અચાનક “Excuse Me” કહેતા આવી જાય છે.

Sahil I. Jethara
D.Pharm Par-II.

કોઈ નથી

આ દોરંગી દુનિયામાં, ખરો સાથીદાર કોઈ નથી,
સ્વાર્થતણા સાગરમાં ડુબાડી, ઉગારનાર કોઈ નથી,
રાહ બતાવે મંઝીલનો છતાં, હમરાહી કોઈ નથી,
અમીરીની દુનિયામાં રાચનાર, ગરીબોનો બેલી કોઈ નથી,
તકદીરનાં ઓથે જીવનાર અહીં, તકદીર સમજદાર કોઈ નથી,
મુમતાઝની યાદમાં મકબરો બનાવે, એવો શાહજહાં કોઈ નથી,
આધુનિક જીવસૃષ્ટિમાં જ્ઞાન લઈ જીવન-જયોત તણું,
પણ અહીં અંગૂઠો આપનાર એકલવ્ય કોઈ નથી.

Chetna S. Rabari
D.Pharm Par-II

નથી મળતો

કહેવી છે એક વાત તમને પણ, કહેવાનો મોકો નથી મળતો
નવરાશની પળોમાં પણ, એવો વખત નથી મળતો
મંઝિલ છે સામે પરંતુ, ત્યાં જવાનો મારગ નથી મળતો
થાક્યો છું એવો જીવનમાં છતાં, ક્યાંય વિસામો નથી મળતો
મઝધારમાં છે જીવનની નાવ છતાં, કોઈ કિનારો નથી મળતો
રાહ જોઈને બેઠો છે, રાજ તમારા આવવાની
પરંતુ તમારાં આવવાનો કોઈ અણસાર નથી મળતો
કેવો છે આ પ્રેમનો રોગ, જેનાં કોઈ ઈલાજ નથી મળતો
મુંઝવણમાં છે રાગ કારણ કે, રાગનાં પ્રશ્ન નો ઉત્તર નથી મળતો.

Samir J. Shah
Lecturer, D.Pharm.

મુસ્કાન

મુસ્કાનની કોઈ કિંમત નથી હોતી, પણ તે બહુ બધું કહી જાય છે.
તે લેવા વાળાને ખુશહાલ કરે છે, દેવા વાળાનું કંઈ ઘટતું નથી.
તે ક્ષણિક હોય છે પરંતુ, તે યાદોમાં સદા માટે રહી શકે છે.
કોઈ એટલું અમીર નથી કે, એના વગર કામ ચલાઈ લે
અને કોઈ એટલું ગરીબ નથી કે, એના કાયદાને મેળવી ના શકે
તે ઘરમાં ખુશહાલી લાવે છે અને વ્યાપારમાં ખ્યાતી વધારે છે
અને તે દોસ્તોની ઓળખ છે.
તે થાકેલાના માટે આરામ છે. નિરાશ લોકો માટે રોશની છે.
ઉદાસ માટે સોનેરી કિરણ અને દરેક મુશ્કેલી માટે
કુદરતની સૌથી સારી દવા છે.
છતાં પણ તે ન ભીખમાં ન ખરીદવા થી ન ઉધાર માંગવાથી અને
ન ચોરવાથી મળે છે.
કેમ કે એ એવી વસ્તુ છે કે જે ત્યાં સુધી કોઈ કામની નથી.
જ્યાં સુધી તમે તેને કોઈને આપી ન દો.

Umang A. Bhoi
D.Pharm Par-II