

Details for Annual Report – 2013 - 14

NIPER-AHMEDABAD



**National Institute of Pharmaceutical Education and Research – AHMEDABAD
c/o B. V. Patel PERD Centre,
S.G. Highway, Thaltej, Ahmedabad-54, Gujarat, India**

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ACADEMIC ACTIVITIES

ADMISSION OF STUDENTS TO M.S (PHARM.) IN 2013-2014

NIPER-Ahmedabad stepped into seventh academic year from July 2013. The institute has Masters level programmes in seven different disciplines in the seventh academic year, leading to M.S.(Pharm.) in Pharmaceutics, Natural Products, Biotechnology, Pharmaceutical Analysis, Medicinal Chemistry, Pharmacology and Toxicology and Medical Devices streams.

The institute has currently 53 students from Batch 2012-14 and in the seventh academic year, 38 students were admitted to seven streams (Batch 2013-15).

Discipline	No. of Students admitted	
	(Batch 2012-14)	(Batch 2013-15)
Natural Products	09	05
Pharmaceutics	13	07
Biotechnology	10	05
Pharmaceutical Analysis	05	06
Medicinal Chemistry	05	05
Pharmacology and Toxicology	06	05
Medical Devices	05	05
Total	53	38

Teaching schedule for the Academic Year 2013-14

1st Semester

Teaching started with the orientation week on the 1st week of August 2013. Regular teaching schedule followed the week after.

Weekly, three seminars were scheduled for the first semester students.

The Mid-term exams were scheduled from 7th to 11th October 2013 and the Final Exams were scheduled from 16th to 27th December 2013.

3rd Semester

Third Semester started from the second week of June 2013. The students submitted their Project Proposals in the first week of July 2013 followed by the Project Proposal Defense. The Project Progress presentation was scheduled in second week of January 2014.

PH. D. Programme

Ph. D. programme was started at NIPER-Ahmedabad during the academic year 2011-2012 with six Ph. D. fellows, three each in Natural products stream and Biotechnology. The students have finished their course work and the synopsis presentation was completed in June/July 2013.

In the academic year 2012-2013, nine Ph. D. fellows, three each in Pharmaceutics, Natural products stream and Biotechnology, were enrolled on the basis of common NIPER-Ph. D. entrance test conducted in June 2012. The fellows have been assigned their Ph.D. mentors and have completely submitted their Synopsis and have given their synopsis presentation in October/November 2013.

NIPER-AHMEDABAD - 1ST ALUMNI MEET

First alumni meet of NIPER-Ahmedabad students was held along with second convocation in March 2013. It was attended by Alumni of three batches. On the occasion of alumni meet a short film based on photographs from all the batches of passed out students was shown, which made everyone very nostalgic. Alumni association of NIPER Ahmedabad (AANA) was launched with much fanfare. It was followed by cultural events with performances of dance, skit by junior student



Students Alumni of NIPER-A



Cultural Programme

SECOND CONVOCATION

126 M.S. (Pharm.) students of NIPER-Ahmedabad who had graduated in June 2010, 2011 & 2012 from the batch of 2008-10, 2009-11 and 2010-12 respectively were conferred their Degree during the 2nd Convocation held on March 2, 2013. Prof. Y. K. Alagh, Chancellor, Central University of Gujarat was the Chief Guest and Shri Dilsher Singh Kalha, Secretary, Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers was the Guest of Honour.



Convocation Procession



Students with Faculty Members

INAUGURATION OF MEDICAL DEVICE DEPARTMENT

With the increasing demand of medical implants and trained personnel in the field, NIPER – Ahmedabad proposed to start master degree course in Medical Devices to Dept. of Pharmaceuticals (DoP). After DoP's approval, the course started in the academic year 2012-2013 at NIPER-A. After establishing the new facilities of department and becoming fully functional, the department was inaugurated by Shri Anant R. Thakore, Chairman, B.V. Patel PERD Centre, on February 3, 2014. All faculty members, staff and students of the department were present at the event.



CONFERENCE/WORKSHOP'S/ SEMINARS ORGANIZED

1. Two day workshop on 'Impurity profiling and its applications', September 21 & 22, 2013
2. National Hands-on Workshop on Advances in TLC and HPTLC, December 13 - 14, 2013.



Participants during Practical sessions of the Workshop



Group photograph of the participants and the organizers

3. Hands-on Training on 'Advanced Approaches in Proteomics', January 27-29, 2014



Participants during Practical sessions of the Workshop



Group photograph of the participants and the organizers

4. Seminar Series on 'Outreach a Scientific Career - Welcome Trust DBT/Fellowship Programme Grant Proposal writing- Skills and Tips Success in Scientific interviews- An Art or a Luck', by Dr. Ajay Pillai, Organized in association with Welcome trust/DBT India Alliance, December 6, 2013.
5. One day seminar series on 'Trends in Cancer Biology' jointly organized by NIPER Ahmedabad and B. V. Patel PERD Centre on 12th December, 2013
6. Seminar Series on 'Recent Advances in Biomaterials and its Application in Pharmaceutical Sciences', January 13, 2014.

7. Seminar on 'Role of Impurities in Pharmaceutical Industry' by Dr. Bipin Pandey, Ex-Vice President, CMC Department, Zydus Research Centre, Ahmedabad, April 5, 2013
8. Seminar on 'Exploring QSAR for lead optimization', Prof. M. R. Yadav, Department of Pharmacy, M.S. University, Vadodara, May 14, 2013
9. Seminar on 'Awareness Programme on Organ Donation' by Mr. Shivam Vyas, SATAYU, Ahmedabad, September 13, 2013
10. Seminar on 'Hypertension in the world' by Dean Raymond J. Wegmann, September 17, 2013

PROJECTS

- **DOP funded project** titled 'Development and Clinical Evaluation of Novel fixed dose combination of Rifampicin and Isoniazid to improve Bioavailability of Rifampicin for the treatment of Tuberculosis' **in collaboration with AIIMS- New Delhi.**
- **DBT funded project** titled 'Synthesis and Development of Antitubercular 1,4-Naphthoquinone Congeners as *Mycobacterium tuberculosis* Methionine Aminopeptidases Inhibitors'.
- **Inspire Fellowship from Department of Science and Technology to Dr. Manju Misra.** 'In-situ gelling mucoadhesive system for brain delivery of p-Glycoprotein (P-gp) substrates via nasal route: Effect of a novel lipidic agent on drug release and P-gp inhibition'
- **RGYI, Department of Biotechnology to Dr. Manju Misra, Dr. Abhijeet Joshi and Dr. P. Venkatesh.** 'Design of Oral delivery system for macromolecules using gastrointestinal patch system: Role of fatty acid as penetration enhancer'.

HONOURS/AWARDS

1. Hemendra Yadava, Pankaj Mungara, Mehul Jivrajani, Manish Nivsarkar & Sheetal Anandjiwala. TLC-Densitometric Quantification of Negundoside, ursolic acid, Eugenol, Lupeol, and β -Sitosterol using HPTLC from *Vitex negundo* leaves. **Dr. P.D. Sethi Annual Award – 2012 for Best Research Papers on "Application of TLC/HPTLC in Pharma, Herbal and other Chemical Analysis"; August 2013. – FIRST PRIZE**
2. Srikant Patil, Ranjeet Prasad Dash, Sheetal Anandjiwala and Manish Nivsarkar. Simultaneous quantification of berberine and lysergol by HPLC-UV: evidence that lysergol enhances the oral bioavailability of berberine in rats. Selected as one of the papers for the **CERTIFICATE OF MERIT Award – "8th Dr. P.D. Sethi Annual Award for Best Paper in Pharmaceutical Analysis" 2012; April 2013.**
3. Hemendra Yadav, Pankaj Mungara, Mehul Jivrajani, Manish Nivsarkar & Sheetal Anandjiwala. TLC-Densitometric Quantification of Negundoside, ursolic acid, Eugenol, Lupeol, and β -Sitosterol using HPTLC from *Vitex negundo* leaves. Selected as one of the papers for the **CERTIFICATE Of MERIT Award – "8th Dr. P.D. Sethi Annual Award for Best Paper in Pharmaceutical Analysis" 2012; April 2013.**

4. Rakhi Khabiya (Student), Dr. Sheetal Anandjiwala and Dr. Anshu Srivastava (Mentors), Thesis Title – Identification of some *Phyllanthus* species of Gujarat State using integrative Taxonomy': **Awarded FIRST RUNNER-UP in Pharmacognosy Category at Rajnibhai V. Patel' Award for 'Innovative Thesis (Best M. Pharm thesis Competition – A National Level Award, 2012), Year 2012 - 13**, Instituted by Troikaa Pharmaceuticals Ltd, Ahmedabad, Gujarat, March 2013.
5. Harsh Shah (student) from the Dept. of Pharmaceutics has received the 1st prize in B.V. Patel Essay competition held on 15th September 2013 and was awarded Gold medal by Dr. V. M. Katoch (Director General, ICMR) & Dr. G.N. Singh (DCGI) on 20th December 2013, at IPC, New Delhi.



Mr. Harsh Shah receiving award from Dr. V. M. Katoch (Director General, ICMR)

6. Upendra Vurugonda (student) from the Dept. of Medical Devices has received the 2nd prize in B.V. Patel Essay competition held on 15th September 2013 and was awarded Silver medal by Dr. V. M. Katoch (Director General, ICMR) & Dr. G.N. Singh (DCGI) on 20th December 2013, at IPC, New Delhi.

PLACEMENT ACTIVITIES

- To provide placement to student at reputed Pharma companies, a placement Cell (including the faculty members as well as the students of NIPER-A) has been created which is responsible for publishing a placement brochure and sending it to various Pharma companies.
- Various companies have been visiting our organization for Campus Interviews.
- Our students have been placed in about 5 Pharma companies. About 34 % of the students have been placed in the campus interview from our fifth batch that recently passed out in June 2013.
- **Details of Industrial visit:**
 - ✓ Sahjanand Laser Technologies Limited (Medical Division), Gandhinagar, Gujarat, on 11th April 2013.
 - ✓ Sardar Patel University, Vidyanagar, Gujarat, on 12th April 2013.
 - ✓ Prosthetic and Orthotic Department, Government Spinal Institute, Civil Hospital, Asarava, Ahmedabad, Gujarat, on 24th April 2013.

- ✓ Matrix Meditec Pvt. Ltd., on 14th May 2013.
- ✓ Department of Biomedical Engineering, Ganpat University, Ganpat Vidyanagar, Mahesana, Gujarat on 20th May 2013.
- ✓ Omni Lens Pvt. Ltd., Gandhinagar, Gujarat, 2nd July 2013.
- ✓ Gujarat Cancer Research Institute (GCRI), Civil Hospital, Ahmedabad, Gujarat, on 21st November 2013.
- ✓ As a part of apprising students about the current trends in pharmaceutical industry students of IV semester were taken to visit premises of SUN Pharmaceuticals and Vasu Healthcare, Vadodara. It was good learning experience for all the students as they got to know of several aspects of drug development and GLP in Ayurvedic Formulations.



Students at Vasu Healthcare, Vadodara

EXTRACURRICULAR ACTIVITIES

'Hindi Pakhwada' (14th September 2013 to 20th September 2013)



Celebration of 'Hindi Pakhwada'



Flag Hoisting



Sack race by students and faculty members

Navratri Celebration



Puja during Navratri



Students ready for Garba

Sports activities



Students at Volleyball court



2nd Prize winners in cricket during 1st Inter NIPER Sports Meet at Hyderabad