



6<sup>th</sup> Convocation, NIPER Hyderabad  
25<sup>th</sup> April, 2018



औषध विभाग  
Department of  
Pharmaceuticals  
Ministry of Chemicals and Fertilizers  
Government of India



# NIPER HYDERABAD

## COLLABORATIONS

### International Collaborations / MoUs



### National Collaborations / MoUs



## LEADING INNOVATION IN PHARMACEUTICAL EDUCATION & RESEARCH



**NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH**  
(Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Govt. of India)

Balanagar, Hyderabad - 500 037, Telangana, India.

Phone : +91 40 23073741, +91 40 23073740

Fax : +91 40 23073751

Email : [director@niperhyd.ac.in](mailto:director@niperhyd.ac.in) / [director.niperhyd@gov.in](mailto:director.niperhyd@gov.in)

Website : [www.niperhyd.ac.in](http://www.niperhyd.ac.in), [www.niperhyd.edu.in](http://www.niperhyd.edu.in)



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### NIRF India Ranking 2018



UNDER  
PHARMACY CATEGORY



IN TEACHING, LEARNING & RESOURCES  
UNDER  
PHARMACY CATEGORY



# NIPER HYDERABAD

## PROMOTING EXCELLENCE IN PHARMACEUTICAL EDUCATION & RESEARCH

National Institutes of Pharmaceutical Education and Research (NIPERs) have been created by an Act of Parliament and each institute is an autonomous body functioning under the Department of Pharmaceuticals, Ministry of Chemicals & Fertilizers, Govt. of India. Having been declared as "Institutes of National Importance", NIPERs have been contributing to the growth of the pharmaceutical industry.

NIPER-Hyderabad, was set up in 2007 in the erstwhile IDPL R&D centre with the support of CSIR-IICT as the mentor Institute. Ever since its inception, NIPER-Hyderabad has been functioning with an objective to create an environment congenial for synergizing academia, R&D, and industry, through training and research. Through consistent efforts, it has transformed itself to be a world class institute of teaching and research in Pharmaceutical Sciences and Management. The Institute has set up fruitful collaborations with various organizations nationally and internationally. Innovative areas of research are explored every year in emerging segments driven by the research expansion motive.



Dr Shashi Bala Singh, FNASc, FIAN, FAMS  
Director, NIPER Hyderabad.

### VISION

To serve as a leading global institution in the field of higher education and research in Pharmaceutical Sciences & Management

### MISSION

To strive towards excellence in the field of higher education and research in Pharmaceutical Sciences & Management and to be one of the principal sources of professional manpower for strengthening the Pharma industry.

### OBJECTIVES

- Preparing professionals to suit the requirement of the pharmaceutical industry
- Creating a world class institute of teaching and research in the field of Pharmaceutical Sciences and Management
- Enhancing creativity, motivation and drive for inculcating professionalism
- Bringing synergy between academia, R&D and industry
- Bridging collaborations between pharma, biotechnology and information technologies

NIPER - HYDERABAD  
MARCHING TOWARDS  
EXCELLENCE

## EVENTS



6th Convocation at NIPER, Hyderabad



Prof. P. Balaram, Former Director, Indian Institute of Sciences, Bangalore at 6th Convocation, NIPER Hyderabad



Prof. Goverdhan Mehta  
National Research Professor, 5th Convocation



Dr Subodh Deshmukh, Head- Global Development, India  
at Novartis, Hyderabad during D3C3 workshop



Dr Julius Anthony Vaz, Global Program Head, Novartis  
Healthcare Pvt. Ltd. Hyderabad, during D3C3 workshop



India's Former President Bharat Ratna  
Dr. A.P.J. Abdul Kalam, 4th convocation



Shri. Jai Priye Prakash, Secretary, DoP, Govt. of India  
29th Steering Committee at NIPER Hyderabad



Parliamentary Committee Visit to NIPER Hyderabad



Visit of Shri. Rajneesh Tingal, Joint Secretary,  
Department of Pharmaceuticals, Govt. of India



Prof. Arun Tiwari  
Care Hospitals, Hyderabad



Swachhata Pakwada Programme



Independence Day Celebrations  
@ NIPER Hyderabad



Teachers Day Celebrations  
@ NIPER Hyderabad



International Women's Day Celebrations  
@ NIPER Hyderabad



Tulane University, USA Students Visit  
to NIPER Hyderabad



Inter NIPER Sports Meet 2018 @ Mohali

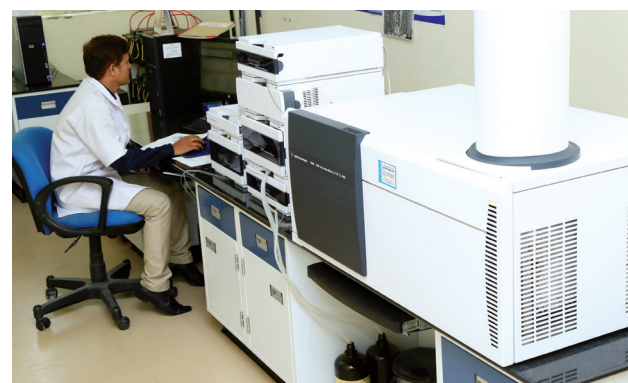


Traditional Day Celebrations  
@ NIPER Hyderabad



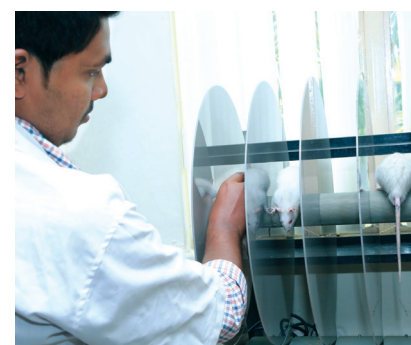
New Year's Celebrations  
@ NIPER Hyderabad





## INSTRUMENTATION FACILITIES

- NMR Spectrometer (500 MHz; Bruker)
- LC-MS/MS Q-ToF 6540 (Agilent Technologies)
- HPLCs (Analytical & Preparative) and UPLCs
- Gas Chromatograph
- UV/Vis/NIR Spectrophotometer
- FT-IR Spectrophotometer
- Automatic Digital Polarimeters
- Dissolution Test Apparatus
- Flow Cytometer (BD FACS Versa)
- Differential Scanning Calorimeter
- Zetasizer Nano ZS (Malven)
- Scanning electron microscope (FEI)
- Confocal Microscope (Leica)
- Extracellular flux analyzer (Seahorse)
- Multi-species blood cell counter



## COURSES OFFERED

### Ph.D

Medicinal Chemistry  
Pharmaceutical Analysis  
Pharmacology & Toxicology  
Pharmaceutics

### M.S. (Pharm.)

Medicinal Chemistry  
Pharmaceutical Analysis  
Pharmacology & Toxicology  
Pharmaceutics  
Regulatory Toxicology

### M.Tech. (Pharm.)

Pharmaceutical Technology  
(Process Chemistry)

### M.B.A (Pharm.)

Pharmaceutical  
Management

## CORE RESEARCH AREAS

- Integrated Drug Discovery & Product Development Programmes
  - a) Cancer, Inflammation and related proliferative diseases
  - b) Diabetes and other metabolic disorders
  - c) Infectious diseases
  - d) Rare or Orphan diseases
- Rational Drug Design
- Synthesis of New Chemical Entities (NCEs)
- Cell free and cell based assay development and screening
- *In-vivo* efficacy and safety studies
- Drug Metabolism and Pharmacokinetic (DMPK) studies
- Development of novel Process & Scale-up Technologies for NCEs, Bulk Drugs and Intermediates
- Development of Analytical Methods, Impurity Profiling and Stability studies
- Solid state characterization
- Novel Drug Delivery Systems viz., Conventional, Nano & Micro emulsion Technologies.



National Centre to Serve Industry and Academia  
**National Centre for R&D in Bulk Drugs**  
(NCRDBD)



## ACHIEVEMENTS AT A GLANCE

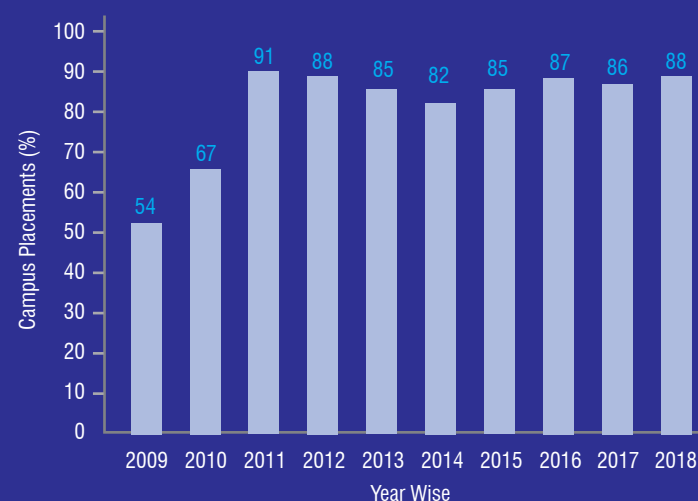
- NIRF India Rankings 2018: NIPER Hyderabad secured 6<sup>th</sup> rank under Pharmacy category. It secured 2<sup>nd</sup> Rank in Teaching, Learning and Resources under Pharmacy category
- Faculty & Students received prestigious awards such as Angelika Bierhaus award from NEURODIAB; IDMA Research award, IDMA Young Pharmaceutical Analyst award, OPPI Young Scientist award; Young Scientist award from Telangana Academy of Sciences, SIPRA, Dr K.V.Rao, Prof Manjeet Singh etc.,
- Faculty and Students received International Travel Grants

**703**  
MASTER  
STUDENTS

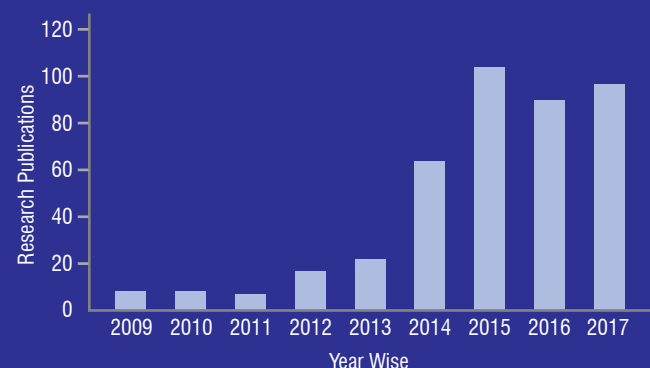
**75**  
Ph.D  
STUDENTS



### CAMPUS PLACEMENTS



### IMPACTFUL RESEARCH



- More than 420 Research Publications in Peer Reviewed Journals
- Filed patents in the areas of Drug Discovery, Formulation Development and Analytical Method Development
- Faculty received 26 research grants from different funding agencies

## OUR RECRUITERS

**80% campus placements every year.**  
Remaining students pursuing higher education.

Novartis  
Dr Reddy's  
Laboratories Ltd.,  
Boehringer Ingelheim  
Indegene  
Abbott India

Sun Pharma  
Biological E  
Lupin  
Syngene  
IMS Health  
Pfizer

Cadila  
Aurigene  
Alembic  
GSK  
Mcleods  
Biocon

Astra Zeneca  
ThermoFisher  
Infiniti Research  
Bresmed  
Alembic  
Aurobindo

SIRO Clinpharm  
Virchow Biotech  
Pellets Pharma  
Gland Pharma  
Vivo Biotech



## INFRASTRUCTURE FACILITIES

### State of the Art Research Laboratories

Drug Discovery, Development and Formulations

### Central Animal House Facility

- Individually ventilated cages for rats and mice
- Holding capacity for experimental animals like rats and mice

### Information & Knowledge Center

Upgraded Computer Center with National Knowledge Network (NKN) connectivity for carrying out scientific searches; accessing e-journals, periodicals, scientific data bases; Library facility with over 20773 books, periodicals, national and international journals

### Hostels

Residential accommodation for the students with all modern amenities

The entire campus including the hostel is Wi-Fi enabled and students can access the uninterrupted internet round the clock.