

**DR. HAFIZ MUHAMMAD ILYAS**  
**INSTITUTE OF PHARMACOLOGY**  
**& HERBAL SCIENCES**

Shaheed-e-Pakistan Hakim Mohammed Said firmly believed that "IN THIRD MILLENNIUM THE HEALTH CARE WILL DEPEND ON HERBAL MEDICINES". With this perspective, late Dr. Hafiz Muhammad Ilyas, former Managing Director, Hamdard Laboratories (Waqf) Pakistan established the Institute of Pharmacology and Herbal Sciences in 1991 to carry out research on Pharmacology and Toxicology of herbal drugs using modern scientific techniques. In 1993, after his demise, in recognition of his valuable services for Hamdard and Herbal Medicine in Pakistan, this institute was named as Dr. Hafiz Muhammad Ilyas Institute of Pharmacology and Herbal Sciences. Dr. Hafiz Muhammad Ilyas was played a pivotal role in the development of Unani/Herbal Medicine in Pakistan. Time has confirmed the vision of Shaheed Hakim Mohammed Said, and today, extensive research work worth billions of dollars is being done all over the world on herbs to find out effective and safe drugs at affordable prices for the treatment of common and presently incurable diseases.

His advocacy and determination convinced the World Health Organization (WHO) to declare wider use of herbal drugs to meet its declaration "Health for All by the Year 2000". The importance of Phytotherapy has increased steadily ever since. The Institute is currently involved in:

- Providing and promoting facilities for advanced study and research in the fields of Pharmacology and Herbal Sciences.
- Imparting teaching training and guiding in order to prepare candidates for M.Phil. and Ph.D. degrees.
- Promoting courses of further study and in-service training for those already engaged in medical sciences including Eastern Medicine.
- Research output at the institute has resulted in peer reviewed papers published in England, Germany, Japan, Korea and Pakistan. Books have been published by Higher Education Commission, Muqtaadra Quami Zaban (National Language Authority) and University of Karachi Press.
- Further the Government of Pakistan has granted patent rights to four processes, developed by the institute in collaboration with HEJ Research Institute of Chemistry, University of Karachi.
- United Nations Development Program (UNDP) has approved the Institute for visit under TOKTEN Program and a Professor from Temple University of Philadelphia (USA) has visited the institute for six weeks.
- Senior Fulbright Scholarship has been awarded to one of its faculty members.
- To date, several students have been awarded M.Phil. and Ph.D. degrees on the research work done in the institute.

Students are pursuing studies for their M.Phil. and Ph.D. degree.

- The institute conducts practical classes in Pharmacology for Pharm D. students.

#### Facilities

The institute is equipped with latest models of research tools like Electronic Centrifuge, Electrophoresis Unit Electronic Balance, Spectrophotometer, Nikon Advance Trinocular Research Microscope, TLC System, U.V. Transilluminator Lamp, Autoclave, Photo Electric Colorimeter, Analytical Balance, Microtome Unit, Vortex Mixer, Glucometers, Oscillograph, Isotonic Transducer, Blood Pressure Transducer, Thermocirculator, Microliter Syringe Pump, Rotavapor, Langendroff Heart Assembly, Open field Apparatus, Light and Dark and Hole Board Boxes, Elevated Plus Maze, Tai Suspension, Stair Case, Forced Swim Apparatus, Computers (Pentium – 4) etc.

#### Experimental Animals

The institute has excellent animal house to cater the needs of research. It includes breeding area and feed preparation room. It contains animals e.g. Guinea pigs, Rats (Sprague Dawley Strain), Mice (NMRI Strain) and Rabbits.

#### Collaboration

The institute has very close collaboration with the Departments of Biochemistry, Physiology, Pharmacology, Faculty of Pharmacy and HEJ Institute of Chemistry, University of Karachi and Hamdard Laboratories (Waqf) Pakistan.

The available facilities can be used for the determination of Pharmacological and Toxicological effects of herbs and their preparations. Studies can also be carried out

preparations. Studies can also be carried out on development of formulations of therapeutic value.

#### Current Projects

Pharmacological and Safety Evaluation Studies on:

Barrisal (Hepatoprotective), Somina (Sedative and Hypnotic), Aftimooni (Sedative and Hypnotic), (Jigarine CL) (Hepatoprotective), Opuntia (Hypotensive), Bombax ceiba (Hypotensive), Polyalthia Longifolia (Hypotensive) and Tagetes Patula (Hypotensive).

Melia Azedarach flowers (anxiolytic and antidepressant) and roots (Anxiolytic) Antibacterial effect of Melia Azaderachflowers on Rabbits.

Development of herbal cream for skin diseases formula Code No. HB-1 for Pyogenic infections, Antidiabetic properties of compound X. Formulation of a drug of antilipidemic properties.

Development of herbal cream for skin diseases formula Code No. HB-1 for Pyogenic infections.

Development of herbal cream in wound healing formula code No. SI for Antidiabetic properties of compound. Development of herbal formulation for prevention of atherosclerosis.

#### For further information:

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# **HAMDARD UNIVERSITY**

## **ISLAMABAD CAMPUS**

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## **Hamdard University Islamabad**

Hamdard university Islamabad campus (HUIC) established in 2000, is one of the leading universities in the private sector with distinctive strengths in education, research and an entrepreneurial dimension to meet the present day challenges. We offer comprehensive curricula in the disciplines of Management, Pharmaceutical, Engineering and Computer Sciences to prepare the youth to spearhead the contingents of their respective fields.

Apart from the holistic education to develop the intellectual and personal strength of each student, HUIC is committed to nurture creativity and innovation through challenging, project work, participative learning and conducive environment to acquire knowledge and technological skills. We also strive for cultivating a spirit of dedication and commitment to human values, to Muslim culture and to our homeland. One of the distinctive feature of our University is that students not only gain theoretical knowledge and insight in their disciplines but as a part their training they are practically exposed to deal with problems in the various field to get committed to the imperatives of their profession. As a result of such experience our student are highly regarded in professional and academic institutions.

Hamdard University Islamabad Campus infrastructure provides a congenial environment for education and the classrooms are equipped with necessary state of the art teaching aids and ICT support. Student are provided with all facilities ranging from access to conference rooms, computer and project labs as well as auditorium for preparation of presentations and assignments.

In order to build a custom made Islamabad Campus, the Hamdard Foundation Pakistan has purchased a piece of land (about 10 acres). It is located on Kurri Road in natural and scenic environment near National Institute of Health, Islamabad. The master plan and building plans of the campus have been finalized.

The management strives to improve upon and update existing academic programs by introducing new courses meeting the rapidly changing market demands. The pharmacy (Pharm D) in HUIC is very popular amongst potential students and ranks among one of the best Pharmacy programs in the twin cities of Rawalpindi and Islamabad. Over a period of time, the standard of Laboratories for Engineering and pharmacy programs have also been improved and equipped with the state of the art equipment to match the requirements of our changing academic program. Our Pharm D and Engineering programs are accredited by respective regulatory bodies while Computer Sciences and Management Sciences programs are under valuation by respective regulators.



## Useful Contacts

### HAMDARD UNIVERSITY

#### Main Campus

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## ARCHITECT'S BRIEF

Hamdard University at Madinat al-Hikmah, Karachi is the culmination of the Vision of Shaheed Hakim Mohammed Said, the founder of Hamdard Foundation, Madinat al-Hikmah and founder Chancellor of Hamdard University. The campus is spread over an area of 300 acres, reveals the vision of Shaheed Hakim Mohammed Said to establish Madinat al-Hikmah - the city of education, science and culture. Madinat al-Hikmah has been conceptualized and envisioned as a purpose built campus. It accommodates state of the art facilities to cater educational needs of the society and generation next from early education to post graduate research level. The preparation of the Master Plan is an exercise in total design relating to educational, cultural, social, economic, physical and aesthetic consideration while creating infrastructure of the campus. The geographic location of the campus, is in the out- skirts of Karachi that provides serene and fresh lush green environment, away from the hustling and bustling. The silhouette of Madinat al-Hikmah contains the lining of Hub canal as the backdrop that enriches the entire surroundings.

The varied buildings at Madinat al-Hikmah ranging from educational institutes, resource center, sports, recreation and physical facilities to the residential facilities for staff and students ensure healthy encouraging environment suitably equipped for the intended purposes.

All in all in its entire perspective Madinat al-Hikmah reflects an approach towards a tranquil continuation of modern style marked by traditional touch in its overall design theme.



# QUALITY ENHANCEMENT CELL HAMDARD UNIVERSITY

The Quality Enhancement Cell (QEC) at Hamdard University was established in September 2013 as per requirement of Higher Education Commission Pakistan. It is represented by Director QEC on all statutory bodies of the University as part of quality assurance mechanism aims to maintain and enhance quality of academic activity at the University.

## Vision

To keep pace with the emerging quality higher education standards through quality assurance mechanism aims to fulfill University's motto "In Pursuit of Excellence".

## Mission

To monitor and ensure fulfillment of quality assurance HEC's guidelines in University's academic programs, pedagogy and research through planning, assessment, evaluation and implementation mechanism.

## Objectives

### (As set by Higher Education Commission)

- To promote public confidence that the quality and standards of the award of degrees are enhanced and safeguarded.
- To review quality standards and the quality of teaching and learning in each subject area.
- To review academic affiliations with other institutions in terms of effective management of standards and quality of programs.
- To define clear and explicit standards as points of reference to the reviews to be carried out.
- To develop qualifications framework by setting out the attributes and abilities that can be expected from the holder of a qualification, i.e. Bachelors, Bachelor with Honors, Master's, M. Phil., and Doctoral.
- To develop program specifications clarifying what knowledge, understanding, skills and other attributes a student will have developed on successfully completing a specific program.
- To develop quality assurance processes and methods of evaluation to affirm that the quality of provision and the standard of awards are being maintained and to foster curriculum, subject and staff development, together with research and other scholarly activities.
- To ensure that the university's quality assurance procedures are designed to fit in with the arrangement in place nationally for maintaining and improving the quality of higher education.
- To develop procedures for:
  - *Approval of new program*
  - *Annual monitoring and evaluation including program monitoring, faculty monitoring and student perceptions*
  - *Departmental Review*
  - *Student feedback*
  - *Employer feedback*
  - *Quality assurance of Master's, M. Phil and PhD degree programs*
  - *Subject Review*
  - *Institutional Assessment*
  - *Program Specifications*
  - *Qualification Framework*

## Activities

1. Apart from its day to day indoor and outdoor assignments, QEC also organizes awareness seminars, conferences and workshops on quality assurance.
2. As part of its mandate, QEC conducts following Major Surveys/Review/Evaluations:
  - *Alumni Survey*
  - *Graduates Survey*
  - *Employer Survey*
  - *Faculty Survey*
  - *Faculty Course Review*
  - *Teachers' Evaluation*
  - *Course Evaluation*

## QEC Structure

Director QEC  
Assistant Director QEC  
Assistant Administrative Officer  
QEC Officer  
Data Analyst  
Office Boy

## QEC Staff Details

Shahid Rashid  
Shoeb Ahmed  
Hamid Henry  
M. Tariq Siddiq  
Urooj Khan  
Sikander  
Qalandrani

## Contact:

### Shahid Rashid Director

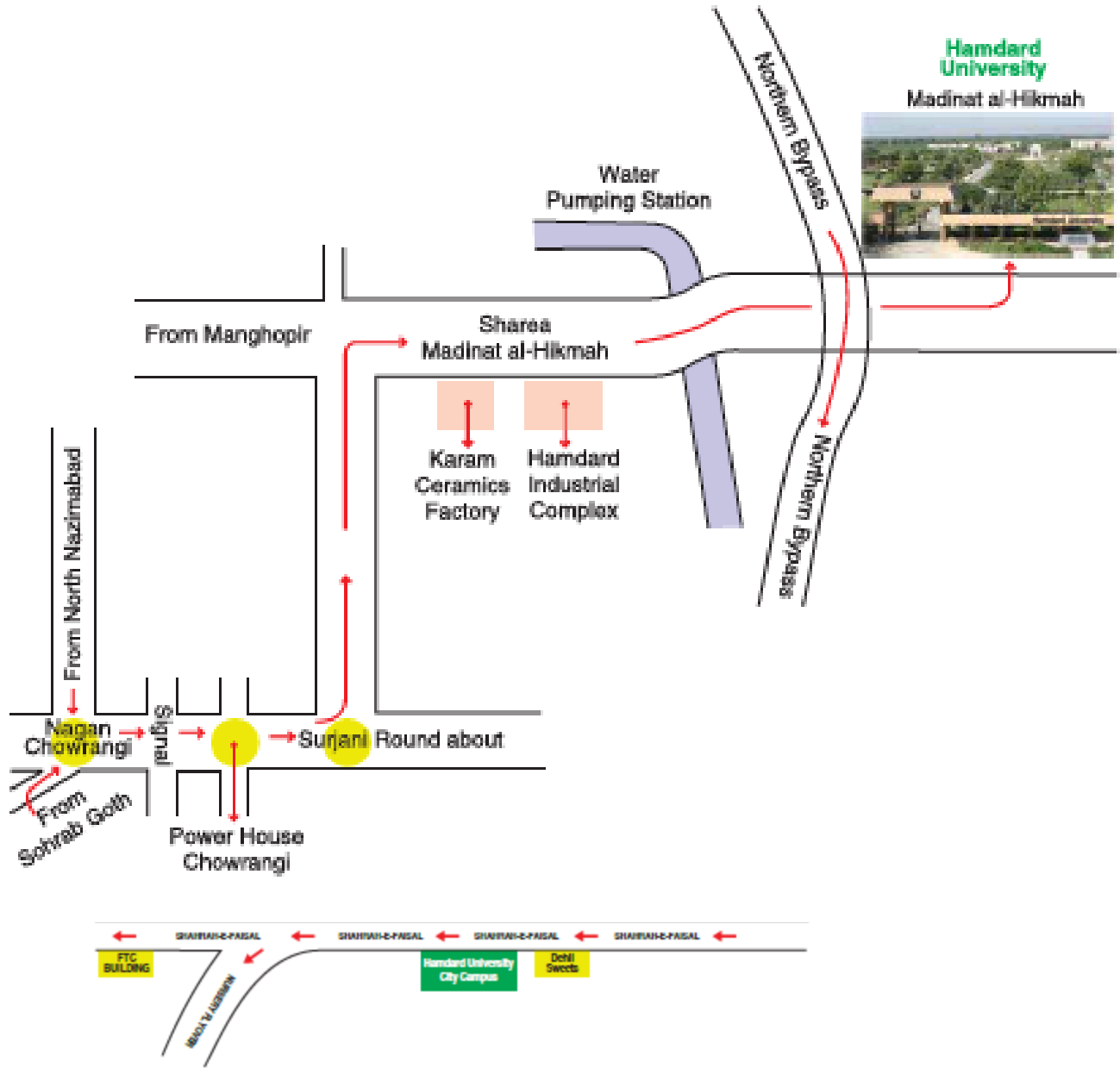
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# EXISTING AND FUTURE MASTER PLAN



# HAMDARD UNIVERSITY Main Campus



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