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<tr>
<th>Contents</th>
<th>Page No</th>
</tr>
</thead>
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<td>Message from Director General</td>
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<td>Admissions 2019</td>
<td>7</td>
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<td>Recognition of Academic Programs</td>
<td>7</td>
</tr>
<tr>
<td>Number of Graduates</td>
<td>8</td>
</tr>
<tr>
<td>Library at HUIC</td>
<td>9</td>
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<tr>
<td>Office of Student Affairs</td>
<td>12</td>
</tr>
<tr>
<td>Hamdard Institute of Management Sciences</td>
<td>15</td>
</tr>
<tr>
<td>Hamdard Institute of Engineering and Technology</td>
<td>21</td>
</tr>
<tr>
<td>Hamdard Institute of Pharmaceutical Sciences</td>
<td>27</td>
</tr>
</tbody>
</table>
The Founder

Shaheed Hakim Mohammed Said (1920-1998) established Hamdard Pakistan in 1948. Within a few years, the herbal medical products of Hamdard became household names. The phenomenal success of Hamdard products is a legendary part of the business history of Pakistan. The name Hamdard however acquired a still wider meaning, when Hakim Mohammed Said founded Hamdard University in 1991. The establishment of a university which could enliven the intellectual tradition of the educational institutions of the golden era of Muslim civilization had always been his most cherished dream. In fact it was the central point towards which all his endeavours were directed. The actual appearance of the university was just the culmination of a long dedicated and continued effort spanning his whole life. However, apart from being a great educational leader, Hakim Mohammed Said was also one of the finest exponents of eastern medicine, who had treated millions of patients from all over the world including Pakistan, Europe, Africa and the Middle East by the time of his martyrdom (Shahadat) in October 1998.

In the fifty years of his active career as a practitioner of Greco-Arab medicine par excellence, Hakim Mohammed Said also achieved international renown as a scholar and researcher in medicine in recognition of his meritorious services and scholarly achievements. He was awarded Nishan-e-Imtiaz (Posthumous) by the Government of Pakistan in 2002. As a prolific writer, he had to his credit a large number of books and articles. He edited many research journals and periodicals on medicine, history and Islam. Hakim Mohammed Said also created two very widely attended national forums: Hamdard Shura (for leaders of public opinion)
and Naunehal Assembly (for children). He attended and presented papers at numerous conferences all over the world and organized a number of international conferences for promotion of science in Pakistan in collaboration with national and international organizations including UNESCO and WHO. He also held important offices and memberships of various national and international organizations related to education and health care, the fields to which his contributions are universally acknowledged. A man of Herculean intellectual and organizational capabilities, Shaheed Hakim Mohammed Said will be remembered for establishing Hamdard University, which he stewarded to appear as one of the top institutions of higher education and learning in Pakistan.
Message from Director General

I feel great privilege as Director General to reflect upon the marvellous progress made by Hamdard University, Islamabad Campus through its officially published Annual Report 2019. The discernible contributions made by the campus in the higher education sector and the society are commendable. I am pleased to share that Hamdard University, Islamabad Campus has been continuously moving forward since its inception and the year 2019 was not an exception. During this year we have been able to develop and implement a strategic framework for promotion of quality teaching, research, innovation and entrepreneurship beside measures to further improve the quality of our graduates, International collaborations, Industrial linkages and community support. The report attempts to highlight some of these achievements in the areas of research, education, training and social development. The progress made by Hamdard University, Islamabad Campus makes me confident that efforts by departments will help in fostering the well trained and socially responsible generation of future leaders. I would like to thank the honorable Chancellor, Vice Chancellor, Members of Board of Governors, Faculty & Staff members for their continuous support and contributions in transforming Hamdard University, Islamabad Campus into a dynamic and progressive institute that is committed to excellence in higher education.

Prof. Dr. Azhar Hussain
Vision of Hamdard University

To preserve, and disseminate knowledge by achieving highest level of excellence at par with best institutions of the world

Mission of Hamdard University

- To provide a superior liberal education.
- To be catalyst to the intellectual growth of the students.
- To inculcate high ethical standards in students.
- To prepare students future members of the learned professions.
- To advance the frontiers of knowledge and contribute boldly to the international community of scholarship.
- To help alleviate suffering through, both, sympathy and action.
- To provide wide ranging educational opportunities on and beyond our campuses.

Hamdard University Islamabad Campus

Hamdard University was established as a chartered and non-profit organization by Shaheed Hakim Mohammed Said, the renowned Physician of eastern medicines, a great philanthropist and an educationist at Madinat al Hikmah, Karachi in 1991. Hamdard is one of the largest universities in private sector which is offering programs under seven different faculties. Presently Mohtarma Sadia Rashid is the Chancellor and Prof. Dr. Syed Shabib Ul Hassan is the Vice Chancellor of the University. Hamdard University Islamabad Campus was established in 2000. The campus is presently situated at a location which is quite accessible to students from the twin cities of Rawalpindi and Islamabad. Prof. Dr. Azhar Hussain is the Director General of this Campus. It comprises three institutes: Hamdard Institute of Management Sciences (HIMS) offers Undergraduate, Graduate and Post-graduate programs. Hamdard Institute of Engineering and Technology is conducting Electrical Engineering and BS in Computer Sciences and Hamdard Institute of Pharmaceutical Sciences (HIPS) offers Undergraduate and Graduate programs in Pharmacy. Hamdard University, Islamabad Campus has grown steadily since its inception and today it stands among the best rated Universities in the capital city and its adjoining areas. It has the student population of
around 1400 belonging to different parts of the country and a highly qualified and well experienced faculty of 60 members supported by more than 100 non-teaching staff. Islamabad Campus of the university has so far produced more than three thousand graduates who are serving at various levels in different organizations within and outside Pakistan.

Highlights of Year 2019 at Hamdard University Islamabad Campus

- Shifting to Purpose-Built Campus
- Hakim Said Olympiad 2019
- HIPS declaration as Sub-regional Pharmacovigilance Center for Federal Capital Islamabad
- Collaboration with EUROQOL for generation of health data value sets for Pakistani population
**Academic Performance During Year 2019**

- Hamdard University Islamabad shifted to its new Campus located on Park road, Chak Shehzad in May 2019 with HIPS and HIMS departments while construction work for Hamdard Institute of Engineering and Technology department is still in progress which is hopefully expected to be completed within a year time period. The new campus is spread over 23 acres of land, built with the state-of-the-art infrastructure creating an environment conducive for higher learning and research.

- Keeping in view the objective of achieving good governance, Deans & Directors meetings were held periodically to critically evaluate the issues and performance of the campus. In this regard, 22 meetings were held throughout 2019. Beside this work plans were developed for the Institutes as well support departments. Periodic reviews of the execution of these work plans were conducted to improve the overall performance of Islamabad Campus.

**Admissions 2019**

During the year 2019, total 325 students were given admission in the three institutes i.e. Hamdard Institute of Pharmaceutical Sciences, Hamdard Institute of Engineering and Technology and Hamdard Institute of Management Sciences. The currently enrolled students in each department are:

<table>
<thead>
<tr>
<th>Hamdard Institute of Information &amp; Technology (HIET)</th>
<th>Hamdard Institute of Pharmaceutical Sciences (HIPS)</th>
<th>Hamdard Institute of Management Sciences (HIMS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>105</td>
<td>170</td>
<td>50</td>
</tr>
</tbody>
</table>

**Recognition of Academic Programs**

Pharmacy Council of Pakistan visited new campus of HUIC on 5th September 2019 for the purpose of renewal of accreditation of undergraduate program. The inspection team appreciated the efforts of the department and approved the renewal of accreditation as well as allotted 30 additional seats for admission.
Number of Graduates

Up to 2019, a total number of 4107 students have been graduated from the campus.

<table>
<thead>
<tr>
<th>Sr.</th>
<th>Degree Awarding Ceremony Year</th>
<th>Hamdard Institute of Management Sciences</th>
<th>Hamdard Institute of Engineering and Technology</th>
<th>Hamdard Institute of Pharmaceutical Sciences</th>
<th>Total</th>
<th>Grand Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2004</td>
<td>503</td>
<td>356</td>
<td>4</td>
<td>863</td>
<td>863</td>
</tr>
<tr>
<td>2</td>
<td>2005</td>
<td>128</td>
<td>252</td>
<td>-</td>
<td>380</td>
<td>1243</td>
</tr>
<tr>
<td>3</td>
<td>2006</td>
<td>121</td>
<td>101</td>
<td>-</td>
<td>222</td>
<td>1465</td>
</tr>
<tr>
<td>4</td>
<td>2007</td>
<td>101</td>
<td>68</td>
<td>6</td>
<td>175</td>
<td>1640</td>
</tr>
<tr>
<td>5</td>
<td>2008</td>
<td>126</td>
<td>32</td>
<td>36</td>
<td>194</td>
<td>1834</td>
</tr>
<tr>
<td>6</td>
<td>2009</td>
<td>120</td>
<td>30</td>
<td>18</td>
<td>168</td>
<td>2002</td>
</tr>
<tr>
<td>7</td>
<td>2010</td>
<td>54</td>
<td>30</td>
<td>17</td>
<td>101</td>
<td>2103</td>
</tr>
<tr>
<td>8</td>
<td>2011</td>
<td>94</td>
<td>38</td>
<td>109</td>
<td>241</td>
<td>2344</td>
</tr>
<tr>
<td>9</td>
<td>2012</td>
<td>47</td>
<td>38</td>
<td>71</td>
<td>156</td>
<td>2500</td>
</tr>
<tr>
<td>10</td>
<td>2013</td>
<td>31</td>
<td>65</td>
<td>86</td>
<td>182</td>
<td>2682</td>
</tr>
<tr>
<td>11</td>
<td>2015</td>
<td>37</td>
<td>83</td>
<td>169</td>
<td>289</td>
<td>2971</td>
</tr>
<tr>
<td>12</td>
<td>2016</td>
<td>15</td>
<td>86</td>
<td>170</td>
<td>271</td>
<td>3242</td>
</tr>
<tr>
<td>13</td>
<td>2017</td>
<td>18</td>
<td>107</td>
<td>139</td>
<td>264</td>
<td>3506</td>
</tr>
<tr>
<td>14</td>
<td>2018</td>
<td>25</td>
<td>154</td>
<td>103</td>
<td>282</td>
<td>3788</td>
</tr>
<tr>
<td>15</td>
<td>2019</td>
<td>75</td>
<td>129</td>
<td>115</td>
<td>319</td>
<td>4107</td>
</tr>
</tbody>
</table>

| Total | 1495 | 1569 | 1043 | 4107 |

(Number of graduates from each institute and year, total number of graduates from 2004 to 2019)
Library

Hamdard University, Islamabad Campus maintains a central library shared by all the three institutes besides a separate Library for faculty and students of Hamdard Institute of Engineering and Technology functioning in Hamdard Institute of Engineering and Technology building. Hamdard University maintains a multi-disciplinary library catering the needs of faculty, students, researchers and staff of the University. Digital collection is ideally suited to encourage and support both scholarly and practical research activities.

Library Resources in Year 2019

The HUIC Library has sufficient resources for its valued users. It includes materials on Pharmaceutical Sciences, Management Sciences, Engineering, Computer Sciences, General Subjects, resources on Hakim Said, Quaid.i.Azam and Allama Iqbal as well. The departmental details of books under the umbrella of the said disciplines are as under.

<table>
<thead>
<tr>
<th>Sr.No.</th>
<th>Subject</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Management Sciences</td>
<td>2269</td>
</tr>
<tr>
<td>2</td>
<td>Pharmacy</td>
<td>1800</td>
</tr>
<tr>
<td>3</td>
<td>Engineering</td>
<td>2742</td>
</tr>
<tr>
<td>4</td>
<td>Computer Sciences</td>
<td>1870</td>
</tr>
<tr>
<td>5</td>
<td>General Books</td>
<td>759</td>
</tr>
<tr>
<td>6</td>
<td>Hakim Said Books</td>
<td>177</td>
</tr>
<tr>
<td>7</td>
<td>Quaid-i-Azam Books</td>
<td>89</td>
</tr>
<tr>
<td>8</td>
<td>Allama Iqbal Books</td>
<td>46</td>
</tr>
<tr>
<td>9</td>
<td>Accessioned CDs</td>
<td>213</td>
</tr>
<tr>
<td>10</td>
<td>Journals</td>
<td>44</td>
</tr>
<tr>
<td>11</td>
<td>A/V</td>
<td>99</td>
</tr>
<tr>
<td>12</td>
<td>Project Reports</td>
<td>650</td>
</tr>
<tr>
<td>13</td>
<td>Newspapers</td>
<td>5</td>
</tr>
<tr>
<td>14</td>
<td>E-Books</td>
<td>2010</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>10094</td>
</tr>
</tbody>
</table>

International Journals Subscribed in Year 2019

The HUIC Library subscribed the following impact factor Number of Journals (discipline wise) in the year of 2019.
HAMDARD UNIVERSITY ISLAMABAD CAMPUS ANNUAL REPORT 2019

<table>
<thead>
<tr>
<th>Sr.No.</th>
<th>Discipline</th>
<th>No. of Journals</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Pharmacy (Online)</td>
<td>05</td>
</tr>
<tr>
<td>02</td>
<td>Management (Online/ Print)</td>
<td>05</td>
</tr>
<tr>
<td>03</td>
<td>Engineering &amp; Computer Sc.</td>
<td>29</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>39</strong></td>
</tr>
</tbody>
</table>

**Special Collection**

The HUIC Library has also sufficient resources on Hakim Said, Allama Iqbal and Quaid-i-Azam for the satisfaction of valued users. The details are as under:

<table>
<thead>
<tr>
<th>Sr.No.</th>
<th>Subject</th>
<th>No. of Books</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Quaid-i-Azam</td>
<td>89</td>
</tr>
<tr>
<td>02</td>
<td>Allama Iqbal</td>
<td>46</td>
</tr>
<tr>
<td>03</td>
<td>Hakim Said</td>
<td>177</td>
</tr>
</tbody>
</table>

**E-Resources**

Electronic resources form one of many formats that the Library collects to support its universal collections include, websites, online databases, e-journals, e-books, and physical carriers in all formats, required to support research in the subjects covered, and may be audio, visual, and/or text files.

The HUIC Library provides the following E-Resources for the users.

- **Access to HEC National Digital Library**
  - Hakim Said Memorial Library subscribed more than 25,000 online journals (through HEC digital library) providing access to abstracts, TOCs, full text and document delivery services. These journals are available through nine of the world’s most renowned publishers having different databases in science, technology, management science, medical science, social science and humanities.

- **OPAC**
  - HUIC Hakim Said Memorial Library OPAC with collaboration of HUIC IT department is now available on the Internet. Library Users search a Library catalogue principally to locate books and other material physically located at a Library. Search the books and other reading materials of the Library by Title, Author, Subject and ISBN in English language.
  - E-Newspapers (All Local, National and International E-Newspapers Links available on website)
  - World Bodies Collection (Millions of free E-Books links are available on HUIC website)
Hakim Said Memorial E-Library (More than ten thousand E-Books are available on website)
- CDs
- Thesis list of Hamdard Institute of Engineering and Technology & HIMS
  (Available on website)

Library Services

The HUIC Library offer following services:

- Circulation Services
- Reserve Services
- Reference Services
- SDI Services
- CAS
  - Indexing
  - Abstracting
  - Bibliographical Services
  - Inter Library Loan Services
  - Request for book purchasing service
  - Scanning/Printing services
  - Clipping Service
  - Ask a Librarian

Activities

HUIC Library has been conducting following activities as per need:

- Book Fair
- Workshops on Digital Library
- Staff Training
- Library Orientation Classes for newcomers
Office of Student Affairs

Student affairs department is division of services and support for students at institutions of higher education to enhance student growth and development. It is also a bridge that links each student with the University, providing one-stop effective academic services to the students. The office of student affairs fosters intellectual and personal growth through a wide array of student activities and programs, like Job Fair, Recreational Trips, Industrial Visits, sports competitions. The following activities were arranged by office of Student Affairs in the year 2019:

Shahadat Anniversary of Hakim Mohammed Said

Quran khwani and dua was organized to pay tribute to the founder of Hamdard University Hakim Muhammad Said, at his Shahadat Anniversary on 17th October 2019.

Mehfil-E-Milad

Mehfil–e-Milad was organized by the Student Affairs Department under the supervision of Convener Student Affairs, Prof. Dr. Madiha Malik on 29-November 2019. The students recited Naat and offered their gratitude to Holy Prophet (PBUH) in the month of Rabi-ul-Awal.

Christmas Celebrations

Hamdard University Islamabad Campus celebrated Christmas on December 19, 2019 with Christian Community, attended by Faculty, Administration, and students. At the end of ceremony, students and staff were presented gifts by the honorable Director General.
Hakim Said Olympiad 2019

Hakim Said Olympiad is one of the most anticipated yearly co-curricular activities organized by Student Affairs for the Hamdard University-Islamabad campus. This was an exhilarating five-day event where students and faculty spent time together while participating in a wide range of activities including sports, drama, singing, football and E games etc. It was inter university competition among all the three institutes. This is an opportunity for building up notions of teamwork and fair play. Events like Hakim Said Olympiad are as important as academics for the overall grooming and personality development of students mentally and physically. The mega-event engaged the participants in exciting competitions where they got the opportunity to showcase their talents and aptitudes.

This year a good number of students and faculty members participated in the Hakim Said Olympiad (HSO) event to make it a successful. The event comprised of total 81 different competitions. For these events, there were 1275 participants in total which made the overall participation rate of 86 percent, which is remarkable as compared to previous years. Participation rate was almost doubled this year in terms of faculty as well as students. Hakim Said Olympiad was segmented into literary events, skill events, indoor games, E-games, outdoor sports, drama festival and battle of the bands. The event commenced from 6th-10th December 2019. Prof. Dr. Madiha Malik, Convener Student Affairs briefed about the Olympiad followed by welcome address by Chief Guest, Prof. Dr. Azhar, Director General Hamdard University Islamabad Campus. He appreciated the efforts of the organizers for arranging the event and encouraged the participants. Different competitions were held during four days. Closing ceremony was held on 10th December, 2019. Hamdard Institute of Pharmaceutical Sciences was awarded the best department of the year trophy as the
department won 14 faculty events out of 25 and 33 student events out of 53 events. Prizes were distributed to the winners. Mr. Ayaz Kiyani, Secretary Pharmacy Council graced the event as Chief Guest.
Hamdard Institute of Management Sciences
Vision

HIMS strives to be the center of excellence in providing holistic business education to produce cutting edge leadership to meet the challenges of dynamic global market.

Mission

Hamdard Institute of Management Sciences (HIMS) strives to inculcate business acumen in its graduates through its long and illustrious tradition of Hamdard University.

Academic Activities

Case Development Activity

Case Development Activity was held by HIMS department for final year students under the supervision of Miss Warda Nadeem on 18th June 2019. In this activity, students got the exposure to present the cases and strategies to overcome the identified problems and meet the set goals. Students also learnt six MNC’s position in the market with their latest issues, strategies to overcome them and their success factors.

Entrepreneurial Lab Development Initiative

Mr. Faheem Sardar, the Managing Director, Tangent TA Consulting, visited Hamdard University Islamabad Campus on July 9th, 2019 to finalize a social pioneering initiative by setting up entrepreneurial development lab at Hamdard Institute of Management Sciences, Islamabad Campus. This activity engaged young students and graduating batch
to harness the talent that tend to drive entrepreneurial activities.

**Workforce Diversity**

Class activity held for organizational behaviour on October 4, 2019 under Mr. Saad Babar supervision to explain and comprehend workforce diversity.

**Workshop on Communication Skills**

A one-day workshop was held on October 28, 2019 for students to train them about verbal, non-verbal, written and visual communications with series of activities. This workshop trained students importance of communication is, its types, problems and how to overcome them. Moreover, these activities help students to improve their presentation skills, overcome the stage fright, and boost their confidence.

**Workshop on Data Analysis Techniques**

To follow the vision of Hamdard Institute of Management Sciences by providing more holistic business education and to enhance research understandings, a two-days’ workshop on “Structural equation modelling through Smart PLS” was held on 14th-15th December 2019, where students got hands-on training on the use of Partial Least Squares Structural Equation Modelling (PLS-SEM) in management and social sciences as Partial Least Squares Structural Equation Modelling (PLS-SEM) has become increasingly popular for analyzing data in the social sciences. Applications of PLS-SEM have grown exponentially through the fundamentals of using Smart PLS 3 for typical data analysis processes.
Therefore, this workshop aimed to train students’ practical applications of the software under the trainer Ms. Mahnaz Mansoor.

**Co-Curricular and Extra-Curricular Activities**

**HIMS Reunion**

Reunion event was organized for HIMS students and Alumni on 6th January, 2019. Students participated in this opportunity zealously to showcase and polish their talent by presenting their creative ideas through short movies, dramas, and songs and made this event memorable.

**World Tourism Day**

Hamdard Institute of Management Sciences celebrated World Tourism Day on 30th September, 2019 under Mr. Saad Babar supervision. This event introduced new scenic places of Pakistan as tourist spots to promote tourism. Furthermore, the steps taken by Government to promote tourism industry for economic growth of the country were also highlighted.

**Entrepreneurship Day**

Entrepreneurship day was held on 6th December 2019, in which students from management sciences participated enthusiastically. This was a one day activity in which students were exposed to real marketplace and learnt practical implication of communication, finance, marketing, human resource, understanding the psychology of the customers, creating demand and earning profit etc. skills.
Plantation Drive

Plantation Drive named “Go Green HIMS” at Hamdard Institute of Management sciences was initiated for the fulfillment of SDG goal no 13 & 15 on 10th January, 2020 under the supervision of Ms. Warda Nadeem. Department students and faculty self-funded the drive with enthusiasm. Plants painting activity was done by the faculty and the students. Students presented the importance of plants in respective of oxygen content, cleaning of the environment, for sustainable development, reduction in carbon emissions and protection of ozone layer.

Study Tour

Study tour was arranged on 25th December, 2019 for management students. The students visited National Museum and learnt about the historical places.
Research productivity 2019

Research Articles


Conference Proceedings

Vision
To be a world-class institution of learning and applied research in Engineering, Sciences and Technologies.

Mission
- To advance and create knowledge in Engineering Sciences and Technology.
- To nurture well-rounded imbibed personalities, creative and entrepreneurial minds; sensitive towards social responsibility and moral values.
- To provide innovative solutions to local and global problems.

Academic Activities

<table>
<thead>
<tr>
<th>S/No.</th>
<th>Seminar Topic</th>
<th>Speaker</th>
<th>Date</th>
<th>Seminar Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Neural Networks and its Applications in Artificial Intelligence</td>
<td>Engr. Dr. Anwar Manzar</td>
<td>April 19, 2019</td>
<td>CPD</td>
</tr>
<tr>
<td>2</td>
<td>Motivational Speech on Research, Development and Commercialization</td>
<td>Dr. M. Amjad Khan</td>
<td>May 30, 2019</td>
<td>Seminar</td>
</tr>
<tr>
<td>3</td>
<td>Implementation of OBE mechanism in Engineering Programs</td>
<td>Engr. Dr. Aamer Saleem</td>
<td>Sept 12, 2019</td>
<td>CPD</td>
</tr>
<tr>
<td>4</td>
<td>Internet of Things (IoT’s)</td>
<td>Engr. Aamir Abbas Raza</td>
<td>Sept 26, 2019</td>
<td>CPD</td>
</tr>
<tr>
<td>5</td>
<td>Importance of Entrepreneurship in today’s world</td>
<td>Miss Masooma Ahmed Zubairi</td>
<td>Oct 3, 2019</td>
<td>Seminar</td>
</tr>
<tr>
<td>6</td>
<td>Data Science and Computational Criminology</td>
<td>Mian Arfan ul Haq</td>
<td>Nov 21, 2019</td>
<td>Seminar</td>
</tr>
<tr>
<td>7</td>
<td>Job Hunting</td>
<td>Mr. Tariq</td>
<td>Nov 28, 2019</td>
<td>Seminar</td>
</tr>
</tbody>
</table>
Research Productivity 2019

Research Articles


8. Insaf Ullah et al. A Lightweight and Provable Secure Proxy Signcryption Scheme Based on Hyper Elliptic Curve. Information Technology and Control, 2019


Conference Proceedings

1. Ishtiaq Ahmed, Hasan Raza and M. Atteq ur Rehman, Low Complexity MIMO Channel Estimation with Enhanced Tracking Performance using M-BEACON Algorithm, IEEE INMIC, FAST-NU, Islamabad, 2019


Research Projects

1. Milk Tester, in collaboration with Next Gen Pak –USA
2. Temperature Control and Monitoring (In collaboration with Zaidi Traders, Rawalpindi

Co-Curricular and Extracurricular Activities

Field Trip to NTDC

A field trip of total of 24 students and three faculty members was organized on 2nd October, 2019 to High voltage and short circuit lab, NTDC, Rawat. The students were briefed about two major sections including the High power testing section and High voltage testing section.

Field Trip to NTDC Grid Station

A trip was organized on 16th October, 2019 to NTDC Grid Station Rawat. The students were given an overview of the working of grid station. The students were exposed to the working of different equipments like transformers, bus bars, circuit breakers etc.

Visit to Food and Nutrition Department, University of Lahore

A visit was arranged on 31st October, 2019 to Food and Nutrition department at University of Lahore to expose the students to working of food testing facilities at their campus.

Visit to TEO International

A visit was arranged on 11th December, 2019 to TEO International Islamabad (Software House). The visit was arranged for BSCS students who were briefed by the staff of TEO.
Academia-Industrial Linkages
Hamdard Institute of Pharmaceutical Sciences
Vision
To foster consistent excellence by innovating healthcare and Pharmaceutical Sciences, pioneering in the interdisciplinary fields, and encouraging perseverance in practices to nurture the diverse needs of the societies and nations.

Mission
- To augment dynamic educational and professional experience to a high-achieving, diverse student body.
- To empowering the students to become effective professionals in the fields of patient-centered care, industrial and managerial setups.
- To nurture visionary leaders rooted in a culture of excellence and innovation in education, research and community engagement for the country and across the globe.

Academic Activities
Accreditation by Pharmacy Council of Pakistan
The inspection team from Pharmacy Council of Pakistan visited new campus of HUIC for the purpose of renewal of Pharm. D accreditation as well as increasing number of undergraduate seats. The team appreciated the efforts of HIPS for promoting quality pharmacy education in the country. Pharmacy Council of Pakistan approved the new campus and renewed the accreditation as well as approved 30 additional undergraduate seats.
Academic Seminars

**Seminar on Role of Pharmacist beyond the Dispensary in collaboration with University College London**

A seminar titled “Role of Pharmacist beyond the Dispensary” was organized in collaboration with University College London on 20th November 2019. The guest speaker was Dr. Nadia Bukhari, Pharmacy Practice Fellow at University College London and Global Lead for Gender Equity at FIP. The objective of the seminar was to discuss new roles of pharmacist in developed countries with students of 1st professional.

**Designing Clinical Trials on Readily Available Consumer Products in collaboration with QBal and Smoke Free foundation**

A seminar titled “Designing Clinical Trials on Readily Available Consumer Products” was conducted in collaboration with QBal and Smoke Free foundation. The speaker for the seminar was Prof. Dr. Madeeha Malik. The seminar aimed to introduce and develop methodologies for designing clinical trials for readily available tobacco consumer products. The participants included experts from various fields such as social sciences, healthcare professionals, sales and marketing and tobacco industry.
Seminar on LOAG Concept for improving Workplace Productivity

A seminar titled “LOAG Concept for improving workplace productivity” was conducted for final year students. The guest speakers were Mr. Owais Munir and Ms. Hina Nisar who are expert trainers in personal development. The seminar focused on discussing strategies for learning the concept of organizing oneself for attaining goals.

Workshops

Workshop on Leadership Skills in Pharmacy Profession in collaboration with University College London

A workshop titled “Leadership Skills in Pharmacy Profession” was organized in collaboration with University College London on 21st November 2019. The guest speaker was Dr. Nadia Bukhari, Pharmacy Practice Fellow at University College London and Global Lead for Gender Equity at FIP. The objective of the workshop was to discuss leadership skills and traits with pharmacy students.

Workshop on Personality Traits in collaboration with Pharm Evo

A workshop titled “Understanding Personality Traits for improving performance” was organized in collaboration with Pharm Evo. The experts tested personality traits of students using MBTI questionnaire and discussed various traits of students.
Workshop on Techniques for Review of Literature for M.Phil Pharmacy Practice Students

A workshop titled “Techniques for Review of Literature” was conducted for M.Phil Pharmacy Practice students. The trainers were Prof. Dr. Azhar Hussain and Prof. Dr. Madeeha Malik. Students were taught the use of different databases for conducting literature review.

Workshop on Scientific Writing for M.Phil Pharmacy Practice Students

A workshop titled “Scientific Writing” was conducted for M.Phil Pharmacy Practice students. The trainers were Prof. Dr. Azhar Hussain and Prof. Dr. Madeeha Malik. Students were taught the techniques for writing research proposals, research papers and thesis.

Workshop on SPSS and Endnote for M.Phil Pharmacy Practice Students

A workshop titled “SPSS and Endnote” was conducted for M.Phil Pharmacy Practice students. The trainers were Prof. Dr. Azhar Hussain and Prof. Dr. Madeeha Malik. Students were taught the use of endnote for referencing and SPSS for performing statistical analysis.

Workshop on Reliability and Validity in Pharmacy Practice Research for M.Phil Pharmacy Practice Students

A workshop titled “Reliability and Validity in Pharmacy Practice Research” was conducted for M.Phil Pharmacy Practice students. The trainers were Prof. Dr. Azhar Hussain and Prof. Dr. Madeeha Malik. Students were introduced to the principles, methods of assessment, and appropriateness of statistical analyses for different types of measurement validity and reliability.
Academic Symposiums

Academic Symposium on Opportunities and Challenges for Gender Equity in Pharmacy Profession in Pakistan

An academic symposium with the theme “Opportunities and Challenges for Gender Equity in Pharmacy Profession in Pakistan” in collaboration with National Alliance for Women in Pharmacy (NAWP) was organized on 22nd November, 2019. NAWP is an initiative of Pakistan Pharmaceutical Association (PPA) with the objective of promoting gender equity and supporting women empowerment in pharmacy profession in Pakistan. The guest speaker of the event was Ms. Nadia Bukhari, President and Patron of NAWP. Prof. Dr. Madeeha Malik presented on the topic “Responding to Evolving Challenges: Best Practices for Women Leadership in Pharmacy Profession”. A panel discussion on the topic Gender Equity in Pakistan: Opportunities and Challenges was also conducted. The panelists included representatives from various pharmacy fields such as academia, community, sales and marketing, hospitals and pharmaceutical industries. All panelists presented their point of view and audience also interacted with all the panelists. The event ended with address by Director General HUIC, Prof. Dr. Azhar Hussain who appreciated the efforts of department in promoting gender equity in pharmacy profession in Pakistan. Token of appreciation was presented to Ms. Nadia Bukhari by Director General.
Academic Symposium on Pharmacy Practice Workforce in Pakistan

An academic symposium titled “Pharmacy Practice Workforce in Pakistan: Agents for Change; Translating Theory into Practice” was organized by HIPS on 17th November, 2019. The event started with a presentation by Prof. Dr. Madeeha Malik who shared the journey of development of pharmacy practice workforce by HIPS. The workforce development started from the year 2014 by announcement of M.Phil Pharmacy Practice program and till now 56 students have been graduated and are a part of the workforce. Prof. Dr. Madeeha Malik proudly announced the launch of Hamdard Pharmacy Practice Workforce Group and Hamdard Alumni Association with Prof. Dr. Azhar Hussain as Patron in Chief, Prof. Dr. Madeeha Malik as Patron, Mr. Ahmed Furqan Kazi as President, Ms. Ayisha Hashmi as Vice President, Ms. Iter Un Nisha as General Secretary, Mr. Uzair Akbar as treasury, Mr. Hamza Saeed as Public Relation Officer and Ms. Hafsa Azhar as Publication Secretary. All members who are a part of alumni association were students of Pharm.D as well as M.Phil at Hamdard University Islamabad Campus. The alumni association is further divided into Alumni Advisory Committee and Working Groups. All the members are part of M.Phil alumni or are current students of M.Phil Pharmacy Practice. The working groups are further divided into hospital, industry, community, sales and marketing, regulatory and...
academic pharmacy with each being led by a separate head and team. Prof. Dr. Madeeha Malik shared the mission, vision and objectives of Hamdard Pharmacy Practice Workforce group. The main objective of developing this workforce and its constituent bodies is to develop leaders in pharmacy practice education and research and help build the workforce across multiple disciplines of pharmacy practice through the engagement of professionals and alumni. The symposium included presentations of resource persons from community pharmacy, pharmacy academia, hospital pharmacy and regulatory who presented current scenario of these fields in Pakistan as well as discussed successful case studies of Pakistan. A panel discussion was also conducted with experts from pharmacy profession on the topic of future strategies for development of pharmacy practice workforce in Pakistan. The experts included Prof. Dr. Azhar Hussain (academia expert), Dr. Obaidullah (industry expert), Mr. Sardar Shabbir Ahmed (Regulatory expert, Mr. Khalid Noor Sobi (community pharmacy expert), Mr. Abid Masood (marketing expert) and Ms. Anees (hospital expert). In the end, token of appreciation was presented to panelists as well as resource persons. Director General Prof. Dr. Azhar Hussain appreciated the efforts of department for organizing the event.
International and National Collaborations and Linkages

Academic Institutional Membership of International Pharmaceutical Federation (FIP)

Hamdard Institute of Pharmaceutical Sciences is the first university in Pakistan to receive Academic Institutional Membership from International Pharmaceutical Federation. FIP AIM is the only global network interconnecting schools of pharmacy and academic pharmacy leaders around the world for networking, knowledge sharing, and leadership.

Collaboration with International Pharmaceutical Federation (FIP) for Pharmacy Workforce Transformation

HIPS collaborated with International Pharmaceutical Federation (FIP) for Pharmacy Workforce Transformation in Pakistan. Investing in the development of an adaptable, flexible, and competent pharmaceutical workforce contributes towards achieving universal health coverage, sustainable development goals and strengthening health systems. Transforming the pharmaceutical workforce around the world requires a global vision with clear and consensus based objectives consistent with global health strategies. This vision needs to be translated into concerted actions and engagement at country-level in order to impact significantly on better population pharmaceutical healthcare. For this purpose, HIPS has collaborated with FIP in order to
develop the pharmacy workforce with the objective of developing and training workforce that will help in achieving national health vision 2030. The focal persons for collaboration with FIP from HIPS are Prof. Dr. Azhar Hussain and Prof. Dr. Madeeha Malik.

**Development of Human Resource Component of National Medicine Policy of Pakistan**

Prof. Dr. Azhar Hussain and Prof. Dr. Madeeha Malik have been nominated as focal person for development of human resource component in National Medicine Policy of Pakistan. As a part of NMP development, the team at HIPS presented their vision and strategies for HRD component at 4 day National Consultative Meeting on National Medicine Policy held from 9th-12th October, 2019.

**Collaboration with Euro Qol for generation of Health Data Value Sets for Pakistani Population**

Prof. Dr. Madeeha Malik collaborated with Euro Qol for generation of Health Data Value Sets for Pakistani Population. Euro Qol aims to improve decisions about health and health care throughout the world by developing, promoting and supporting the use of instruments with the widest possible applicability for the measurement and valuation of health. Prof. Dr. Madeeha Malik won research grant for generating health data sets through use of EQ-3D in Pakistan. She is the focal person of Euro Qol from Pakistan. She has
also been selected as a member for Euro Qol Asia Consortium Academy.

**Declaration of HIPS as Academic Sub-Regional Pharmacovigilance Centre**

Hamdard Institute of Pharmaceutical Sciences has been declared as a sub-regional pharmacovigilance center for federal capital Islamabad by National Pharmacovigilance Center. The MoU was signed on 29th November, 2019 between HIPS and National Pharmacovigilance Cell. As a sub-regional PV center, HIPS will conduct assessment of the adverse drug reactions reports, which after validation, will be stored in the national database, will be involved in informing physicians and other health professionals about medicines, their risks, their use and proper use and will conduct research studies on methodology in pharmacovigilance, on the nature and mechanisms of adverse drug reactions.

**Meeting with Chemonics Pakistan for Supply Chain Management**

A meeting was organized with CEO Chemonics Pakistan Prof. Dr. Madeeha Malik with the objective of initiating supply chain management training courses for healthcare professions at HIPS. Chemonics is an international consulting firm with health and pharmaceuticals supply chain management as one of its important component.
Gender Equity Hub Initiative

The initiative of establishment of Gender Equity Hub at HIPS with mutual collaboration between HIPS and UCL, UK is in process. The Gender Equity Hub will address gender inequities and develop transformative gender and diversity policies for the pharmaceutical workforce in Pakistan. It will form National focus for gender balanced workforce transformation and act as a direct National link with the global Equity program from FIP and WHO Human Resources for Health.

Research Productivity 2019

Research Articles


Conferences

Chairperson for Conferences

Prof. Dr. Azhar Hussain and Prof. Dr. Madeeha Malik were invited as chairpersons for different sessions at 1st International conference on Research perspective in Pharmaceutical Sciences organized by Hamdard University Karachi held on 23rd-25th October, 2019 at Karachi.
International Conference Proceedings


National Conference Proceedings


15. **Hamza Saeed** and **Madeeha Malik** (2019). Assessment of General Community Attitudes towards Smoking Cessation Interventions in Pakistan, 1st International


**Book Chapters**


**Research Projects**

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<td>EuroQol</td>
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Continuous Professional Development

FIP Regional Conference for the Eastern Mediterranean Region
24th-25th April 2019, Amman, Jordan

First FIP Regional Conference for the Eastern Mediterranean Region with the theme “Envisioning the future together: Transforming pharmacy for better primary health care” was attended by three faculty members Prof. Dr. Azhar Hussain, Prof. Dr. Madeeha Malik and Ms. Ayisha Hashmi along with three students from M.Phil Pharmacy Practice. The conference was held from 24th-25th April, 2019 in Amman, Jordan. Each faculty member received 12 CME hours for attending the conference.

Euroqol Training for EQ 3D, 13th – 14th February, 2019, Amsterdam

Prof. Dr. Madeeha Malik attended training for Euroqol EQ 3D held from 13th-14th February, 2019 in Amsterdam. The objective was to train participants on use of EQ 3D tool for determining population health value sets.

Euro Qol Asia Academy Meeting 2019
11th-12th June 2019, Guangzhou, China

Prof. Dr. Madeeha Malik attended 1st Euro Qol Asia Academy Meeting 2019 held from 11th-12th June, 2019 in China. The aim of this meeting was to support methodological studies in the region by bringing the EQ-5D researchers from Asian countries/regions
together to share their methodological works and provide opportunity for networking and collaboration.

**FIP World Congress of Pharmacy and Pharmaceutical Sciences, 23rd-24th September 2019, Abu Dhabi, UAE**

Prof. Dr. Azhar Hussain and Prof. Dr. Madeeha Malik attended the 79th FIP World Congress of Pharmacy and Pharmaceutical Sciences held from 23rd-24th September, 2019 in Abu Dhabi, UAE.

**Workshop on Atlas Ti for Qualitative Research**

A workshop titled “Atlas Ti for Qualitative Research” was organized in collaboration with QBal for faculty members. The trainer for workshop was Khwaja Fawad Latif from Comsats University Islamabad. The trainer trained faculty members on conducting literature review and Meta analysis using atlas software.
Co-Curricular and Extra-Curricular Activities

Field Trip to Pharmaceutical Industry and Hospital

A three days field trip was organized by HIPS for final professional students to Lahore. The purpose of the trip was to visit various Pharmaceutical Industries and Hospital and observe their working processes. The Pharmaceutical Industries visited during the trip were Highnoon Pharma and hospital visited was Shaukat Khanum Memorial hospital. The students were shown different manufacturing processes at industry while at the hospital, the students were observed various pharmacy services and activities.

Pink Ribbon Campaign

Hamdard Institute of Pharmaceutical Sciences organized an exhibition in collaboration with Pink Ribbon Organization Pakistan to create awareness regarding screening of breast cancer as well as to collect donation for patients suffering from cancer. The students designed various crafts and donated the earnings to pink ribbon foundation.

Seminar on National Voters Day

National Voters Day Seminar was arranged at Pakistan Institute for Parliamentary Services in Collaboration with Tabeer-Consolidating Democracy in Pakistan and Women’s Parliamentary Caucus from the National Assembly of Pakistan on 7th December, 2019. Faculty members along with final year students participated in the seminar. The theme of this years’ seminar was closing the gender gap in electoral rolls highlighting the challenges, gaps and way forward for ensuring gender inclusivity.
Quaid-i-Azam All Pakistan Bilingual Declamation Competition

Students from HIPS participated in Quaid-i-Azam All Pakistan Bilingual Declamation Competition organized by Quaidian Debating Society. The students from HIPS secured 2nd position in Urdu declamation competition and 4th position in English declamation.

WWF Eco Internship Program 2019

Students from HIPS participated in the WWF Eco internship program, the aim of which is to give an insight into the eco dynamics and eco challenges of the region. The sessions included Environment Expert presentations, group work, hands on activities, documentaries, interactive discussions, creative challenges and an enriching exposure visit.

World Youth Day

World youth day was celebrated at HIPS with the theme “Transforming education”. The event highlighted efforts of youth to make education more relevant, equitable and inclusive for all youth. The event included declamation competition in which various students presented their speeches on topic “Opportunities and challenges for transforming education sector in Pakistan”.

World Health Day

World health day 2019 activities were organized by HIPS on 8th April, 2019 with the theme “Universal health coverage: everyone, everywhere”. Medical camp was organized
with the purpose of providing free screening, consultation and medicines at Mehra Bhagwal, Islamabad. A diabetes screening camp was set up where risk of diabetes mellitus was being assessed as well as free glucose testing was being conducted.

**Pakistan Heritage Day**

Pakistan heritage day was celebrated on 27th March, 2019 with the objective of reviving the cultures of different provinces. The students of different professionals presented cultures of all provinces of Pakistan.

**Patient Safety Day**

The World Health Organization had declared 17th September, 2019 as the first World Patient Safety Day. The slogan for the day was “Speak Up for Patient Safety”. Hamdard Institute of Pharmaceutical Sciences organized a poster competition on the day to highlight the interventions which can be initiated by pharmacists to promote patient safety.

**World Pharmacist Day**

As designated in 2009 by the FIP Council in Istanbul, Turkey, 25th September marks the annual World Pharmacists Day. This year the theme for pharmacist day was “Safe and effective medicines for all”. HIPS organized a quiz competition titled “Best Pharmacists of Hamdard”. The purpose of the quiz was to identify the students having high academic skills to excel in pharmacy profession. The quiz comprised of various rounds including critical thinking questions, pictorial rounds as well as a speech competition on role of pharmacist for improving health outcomes.

**Islamic Quiz**

An Islamic quiz was organized by student society of HIPS in the month of Rabi-ul-Awal. The quiz comprised of different rounds related to Islamic and Quran knowledge. The winners were awarded certificates and Islamic books.
Calligraphy Competition

A calligraphy competition was conducted to commemorate the month of Rabi-ul-Awal. The theme of competition was “Asma Un Nabi”. The students presented their artwork to judges. The winner was awarded with certificate and Islamic books.

M.Phil Pharmacy Practice Annual Gathering 2019

M.Phil annual gathering 2019 was held on 17th November, 2019. Students presented skits to the audience. All graduated batches were invited on the event. Award ceremony was also held in which awards were presented to best researchers of M.Phil Pharmacy Practice. The awards included Researcher of the Year, Healthcare System Strengthening, Pharmaceutical care Excellence, Pharmacy Practice Excellence, Public Health Excellence and Pharmaceutical Policy Excellence award.

Hamdard Community Engagement Program

As a part of Hamdard Community Engagement Program, an initiative of Hamdard Institute of Pharmaceutical Sciences, five medical camps were organized in rural community Mehra Bhagwal in Islamabad. The community was screened for various diseases such as diabetes, hypertension, hepatitis, kidney disorders and mental health disorders. Free lab testing services were provided to community which included liver function tests, renal function tests, glucose and lipid profile. Free consultation by physicians and pharmacists were provided to them. Free medicines were dispensed to every patient visiting the medical camp.
The second part of community engagement program involved providing health education to community as well as students and teachers at a government school of the community. Screening and testing services were also provided free of cost to teachers. Health education was divided into different modules which included education on self-management of chronic diseases, medicine storage and administration, hygiene and first aid. Hygiene kits comprised of shampoo, soap and toothpaste were given to all participants.
Picture Gallery