

Importance and scope of Industrial Pharmacy

Industrial pharmacy is a complex, multi-factorial environment, with the overall aim of manufacturing, developing and marketing safe and efficacious medicines including quality assurance of these activities. Research in industrial pharmacy is done both locally and under the guidance of Faculty of Pharmacy.

Industrial pharmacist is responsible for determining the medication developed by pharmaceutical companies have both right ingredient and correct amount of these ingredients. The pharmaceutical industry is made up of a large number of different areas which all form part of the journey of drug discovery to marketing and sales of a medicine. Pharmacists are in the fortunate position of being able to contribute professionally at almost any point along this journey

Within every pharmaceutical company the regulatory affairs team support the progression of a drug product through from clinical studies, launch and post marketing and ensure that all means of advertisement and publicity regarding the product are compliant with the various regulatory bodies such as the Food and Drug Administration (FDA) and the Medicines and Healthcare Products Regulatory Agency (MHRA). Regulatory affairs teams also ensure that all intellectual property enclosing a product is adequately protected by patent laws and is competitive within the identified market.

Many of the industrial pharmacists have not remained in one specific area of the pharmaceutical industry, rather they have utilised the ability to perform diverse roles and develop experience in all sectors.

In the industrial sector the pharmacy qualification is of a quality superior to many other disciplines.

Why it's in Dubai UAE

UAE is the second largest pharmaceutical market in the gulf region. It is the regional leader in the manufacturing of pharmaceutical products and it is likely to grow steadily in some years. The total market value is estimated at US\$ 1.8 Billion. Strong government support has resulted in growth of healthcare segment. Use of generic drugs is promoted to reduce the healthcare cost. Many multinational companies started their operation in Dubai in order to access the market and develop drugs.

Many of the multinational top pharmaceutical companies have established their regional centres in Dubai so as to cover the entire regional market. Gulf Pharmaceutical industries (Julphar) are the largest and oldest pharmaceutical companies in the market.

Dubai allows to reach the Middle East, North Africa, Europe and Asia through the UAE market because the Pharmaceutical market has high growth potential due to stable and favourable regulatory and political environment in the UAE.

The UAE is 2nd in the region in terms of capital invested in the Pharma sector and Highest-priced market in the region. The pharmaceutical industry in the UAE also benefits from re-export markets as Iran, Pakistan, Yemen and Somalia which are the major buyers of re-exported pharmaceuticals from the UAE.

Why to Attend

To have a broader view on the materials, ingredients used in case of manufacturing different pharmaceutical products like tablets, capsules, lotions, gels, creams etc and the innovative methods employed for their development and processing in various fields of Pharma industries and drug development. The current conference also deals with the advanced technologies in the field of Pharma industries which distends the growth in formulating new medicines thereby promoting healthcare. It not only gives an idea on the Pharma industries but also creates a unique approach towards novel strategies.

Conference Highlights

Fundamentals of Industrial Pharmacy
Healthcare pharmacy
Drug discovery and drug development
Drug Development Stages
Drug Design and Marketing
Clinical Studies
Waste management of industrial pharmacy
Good manufacturing practices
Functions of Regulatory Bodies
Veterinary Pharmaceuticals
Pharmacy from Natural products
Market surveillance of industrial pharmacy

Universities associated with industrial pharmacy

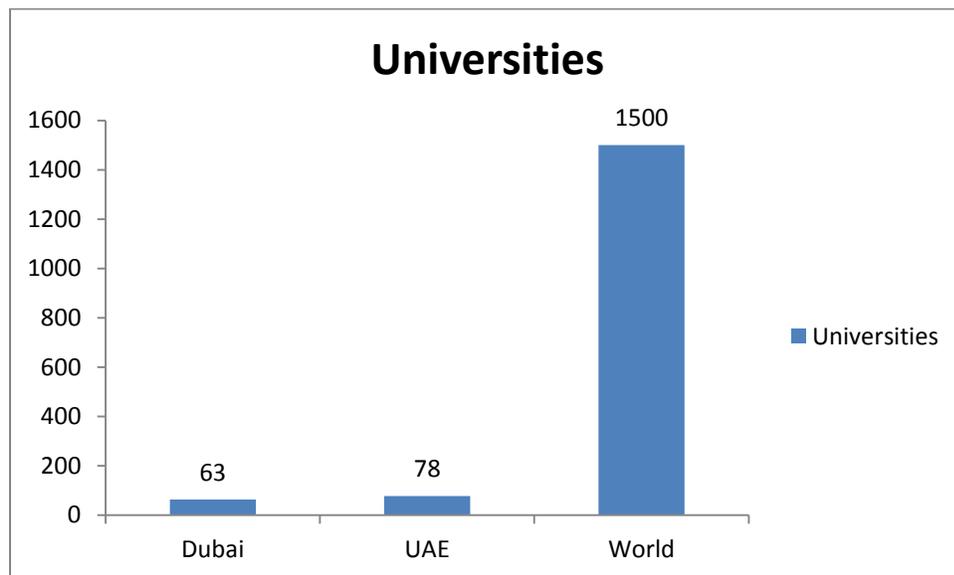
Major universities around the world

University of Tirana
Charles Darwin University
Griffith University
Atish Dipankar University of Science and Technology
University of Alberta
Guilin Medical College
Xian Medical University
China Pharmaceutical University

Major universities in UAE

Misr University for Science and Technology
University of Dammam
Batterjee Medical College for Science & Technology
Al Qaseem University
King Saud bin Abdulaziz University for Health Sciences
United Arab Emirates University
Taif University
Dubai Medical College

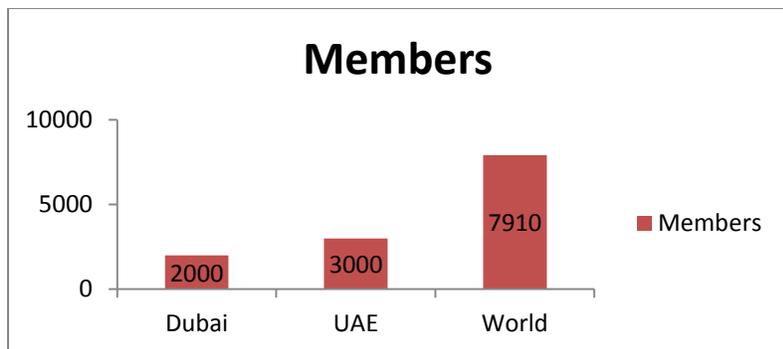
Ras al-Khaimah Medical and Health Sciences University
University of Sharjah
Gulf Medical University Ajman



Members associated with industrial pharmacy

Major people around the world

- Sanjay Karan (Assistant Professor, APP Member)
- Maryam Eidi (Associate Professor, APP Member)
- Hossein Orafi (Professor, APP Member)
- Alex Nivorozhkin (Chief Operating Officer, APP Member)
- Han-Chung (Director, APP Member)
- Sergio Mauri (Vice President, APP Member)
- Mohit Kapoor (Associate Professor, APP Member)
- Robert Schultheis (President, APP Member)
- Horvat Gabriella (Researcher, APP Member)
- Krystyna Olczyk (Professor, APP Member)

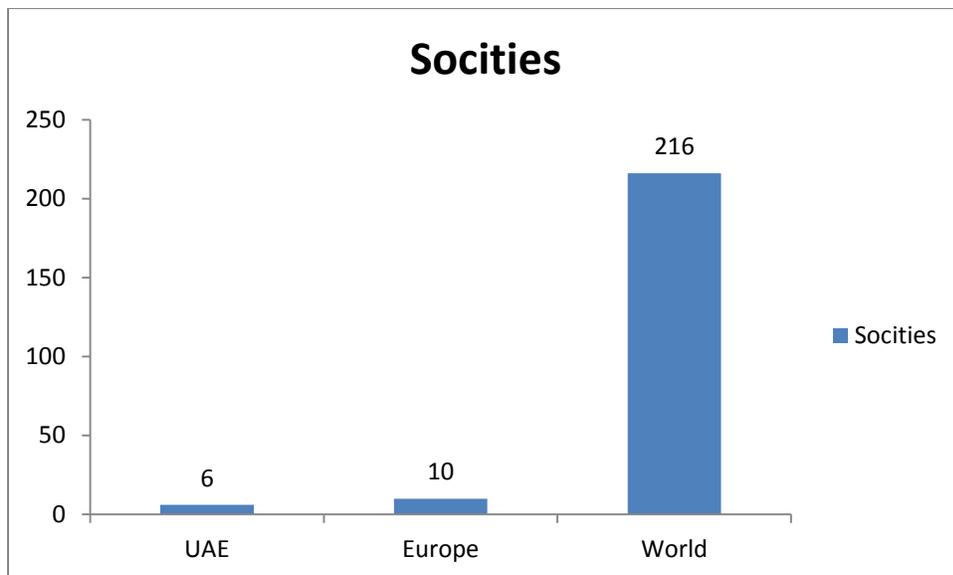


Major International Pharma associations

Association de Pharmacie Galénique Industrielle
Institute of Pharmacy Management International
International Society of Oncology Pharmacy Practitioners
International Society of Pharmaceutical Compounding
The Pharmacy Guild of Australia
Pharmacy Graduates' Association,
Practising Pharmacists Association of Hong Kong

Major Pharma societies of Middle East region

GUC Scientific Pharmaceutical Students' Association (GUCSPSA)
Egyptian Pharmaceutical Students Federation (EPSF)
Iranian Pharmacy Students Association (IPSA)
The Pharmaceutical Society of Israel
Jordan Pharmaceutical Association
Kuwait Pharmaceutical Association
Saudi Pharmaceutical Society
Turkish Association of Pharmaceutical and Medicinal Chemistry
Turkish Pharmacists Association
Turkish Society of Clinical Pharmacology



UAE Market Value on Industrial Pharmacy

UAE is the second largest pharmaceutical market in the gulf region. It is the regional leader in the manufacturing of pharmaceutical products and it is likely to grow steadily for some years. The total market value is estimated at US\$ 1.8 Billion. Strong government support has resulted in growth of healthcare segment.

The United Arab Emirates' pharmaceutical market was estimated to have been worth \$2.4 billion in 2013 and is expected to reach \$3.7 billion by 2020 at a projected Compound Annual Growth Rate (CAGR) of 5.3%. The UAE's medical device market was valued at approximately \$600.2m in 2008, and \$733.3m in 2013. The medical device market is estimated to reach \$978.9m in 2020 at a CAGR of 4.2% from 2014. The positive trends in UAE's healthcare market can primarily be attributed to the increasing coverage of healthcare insurance and government initiatives to improve healthcare facilities. The UAE's healthcare market will also be boosted by medical tourists, of which Dubai is aiming to have more than 20 million by 2020, according to UAE interact.

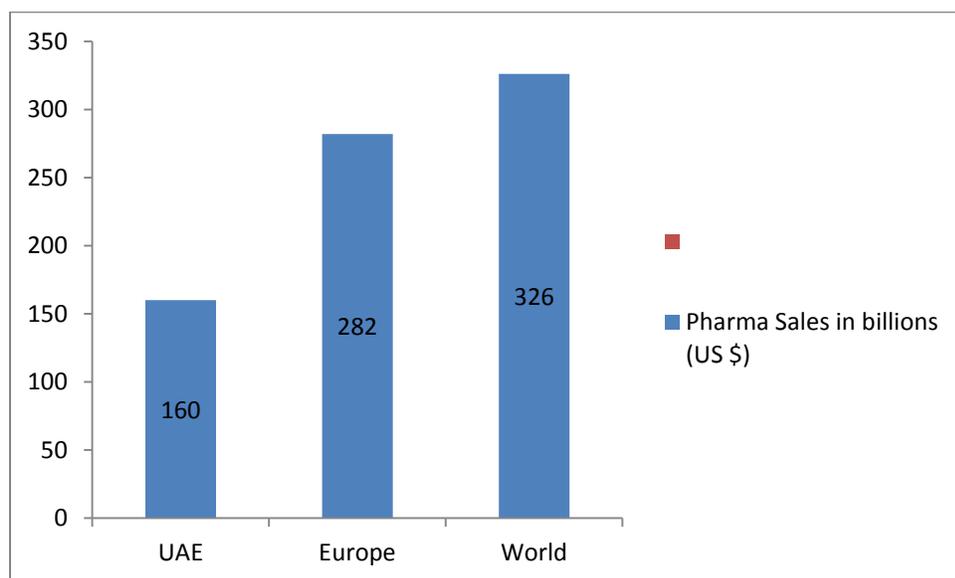
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The robust growth of Saudi Arabia's economy has been coupled with a rapidly growing population. With a population growth rate exceeding 2% p.a., Saudi Arabia's healthcare budget as a percentage of its GDP has increased from 3.2% to 4.3% over the period 2008 to 2012. The pharmaceutical industry has consequently grown in the same time from USD 3.0 bn to USD 3.8 bn. Total global spending on medicines will exceed one trillion U.S. dollars for the first time in 2014 and reach almost \$1.2 trillion in 2017.

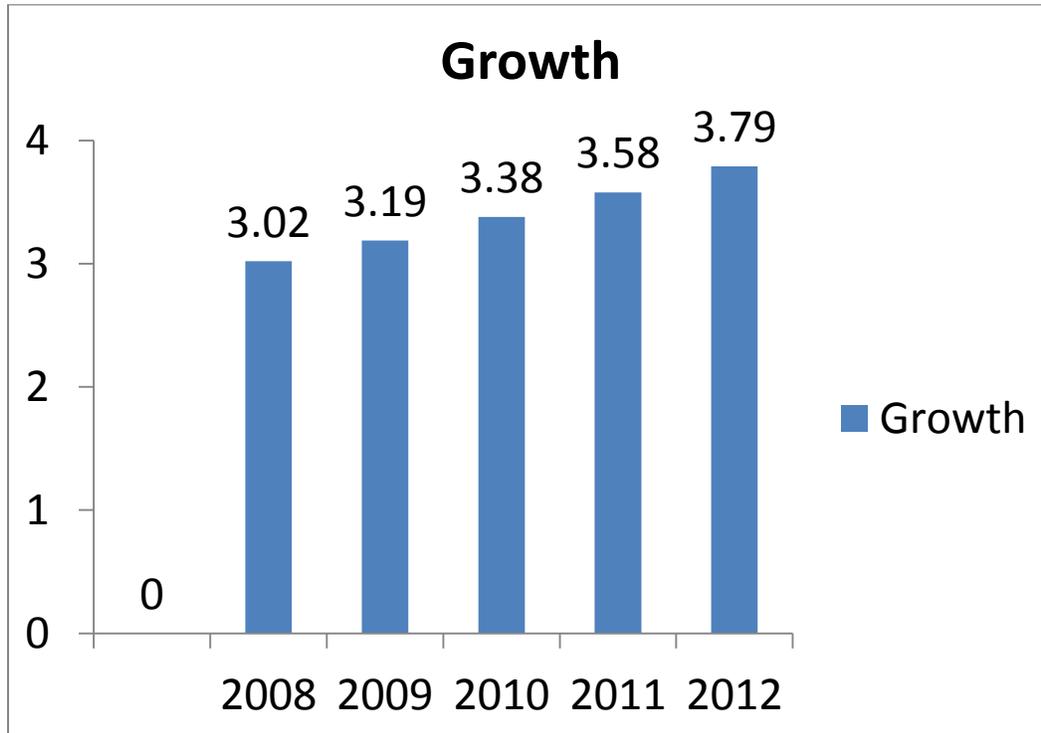
Global Market Value on Industrial Pharmacy

Global spending on medicines was \$1 trillion threshold in 2014 and is expected to reach \$1.2 trillion by 2017, according to a recent report by the IMS Institute for Healthcare Informatics. The Global Use of Medicines Outlook through 2017 found that growth in global spending on medicines was increased 2.6% to \$965 billion in 2012, and is forecast to grow at a 3–6% compound annual rate over the next five years. Annual growth in spending was 2–3% in 2013 and now it is expected to rise 5–7% by 2017. According to IMS. Spending on specialty medicines is expected to reach \$230–240 billion by 2017. In pharmerging markets, the use of specialty medicines is limited, but spending is expected to rise nearly 90% by 2017, to \$40–50 billion annually.

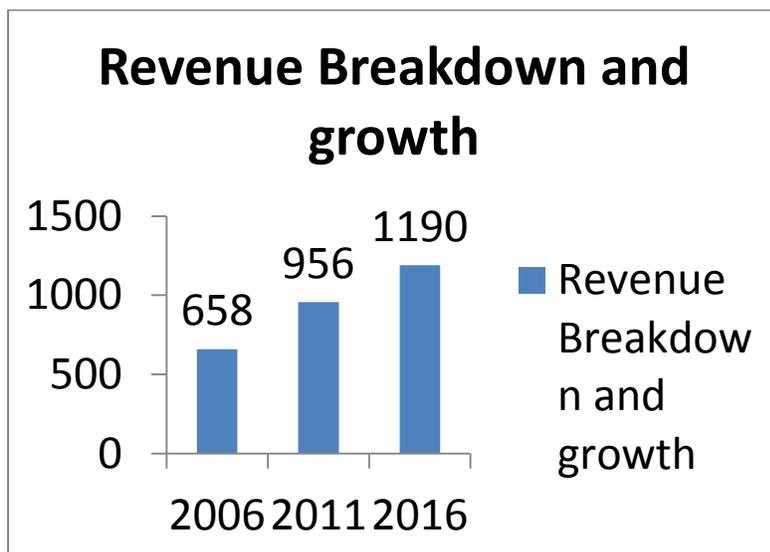
Pharma Sales

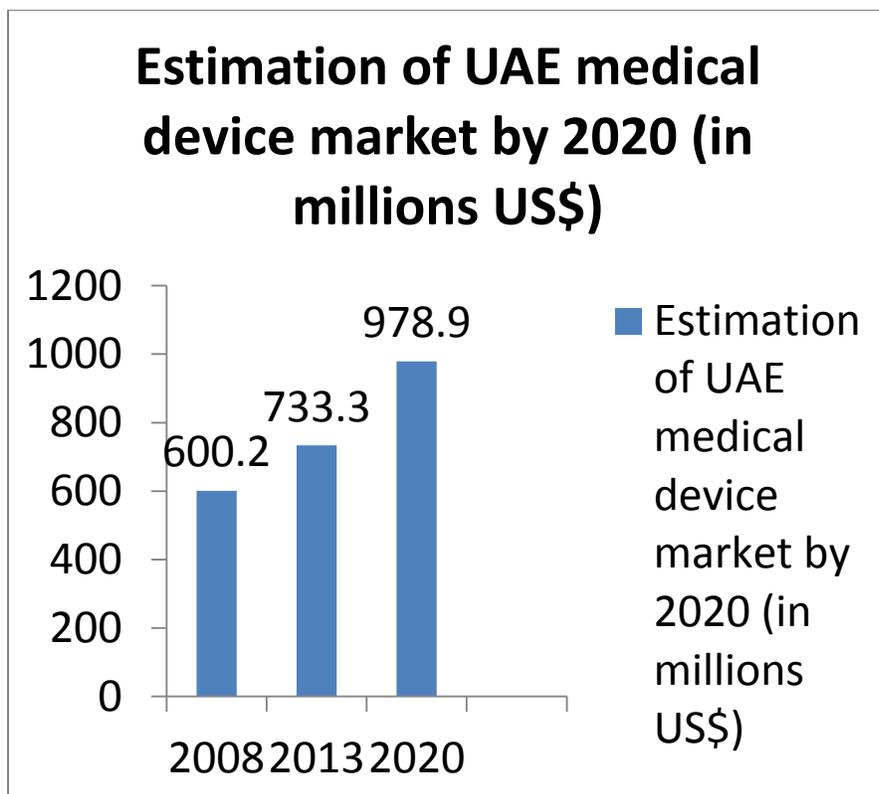


Development of the pharmaceuticals market



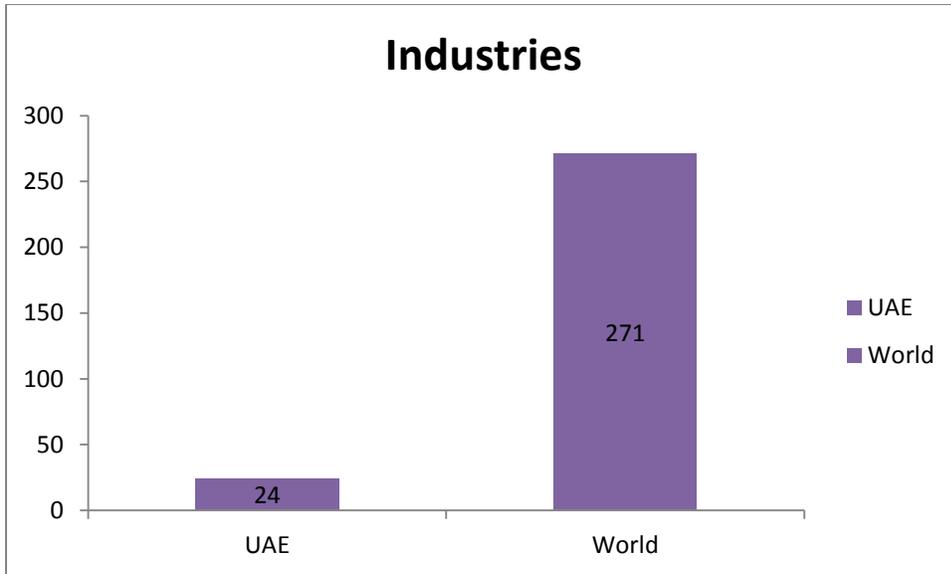
Global pharmaceuticals revenue breakdown and growth





Industries around the world and UAE

Pfizer UAE
Gulf Pharmaceutical Industry-Julphar (JULPHAR)
Merck UAE
Novo Nordisk Pharma Gulf
Elis Pharmaceuticals Limited
Johnson & Johnson Middle East
Astra Zeneca UAE
Abbott Laboratories
Beximco Pharmaceuticals Ltd
Ego Pharmaceuticals
Incepta Pharmaceuticals



Physicians, Researchers and Academicians related to industrial pharmacy

