

Market Analysis on Medicinal Chemistry and Drug Design

Salma Elmallah

Central University of Gujarat, Gandhinagar, E-mail: salmae87@gmail.com

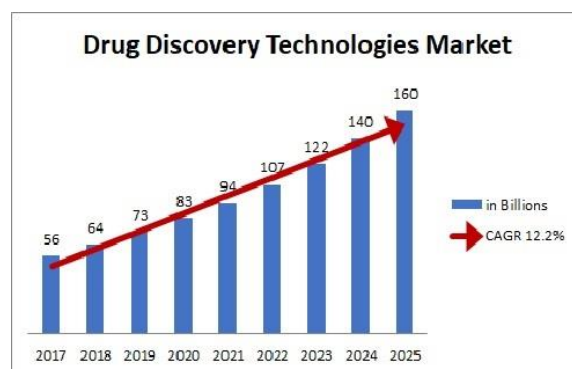
Medicinal Chemistry for Drug Discovery Market Research:

Global Medicinal Chemistry for Drug Discovery Market report is a comprehensive study on how the current state is for market. This report provides a thorough synopsis for the Medicinal Chemistry for Drug Discovery industry. It includes detailed market definition, classifications, applications and for most important the industry chain structure along with market trends and uses SWOT analysis. The report gives a deep knowledge about Medicinal Chemistry for Drug Discovery Market and shows the important product developments and tracks recent acquisitions, merges and research in the industry. This report provides the forecast for the years 2019 to 2026.

The global Medicinal Chemistry 2020 is segmented on the basis of type, drug type and therapeutic area. Based on type, the market is segmented as biology services, medicinal chemistry and drug metabolism and pharmacokinetics. On the basis of the drug type the segment is classified as biologics and small molecules. Similarly, on the basis of therapeutic area the segment is divided into cardiovascular diseases, oncology, neurology, diabetes, respiratory diseases and others.

Chemistry volumes continue to rise in the U.S. and chemical market expected to contract this year—As a result, chemical industry capital spending in the U.S. surged 12.1% in 2014 and gained 21.0% in 2015, reaching \$43.58 billion and accounting for more than one-half of total construction spending by the manufacturing sector. The association representing US-based chemical producers said that US chemical production (excluding pharmaceuticals) is expected to realize the overall growth of 1.6% in 2016, followed by 4.1% growth next year, and 5.0% in 2018. Average annual gains of over 8% per year in U.S.

Chemical industry capital spending are expected through 2018 with only a minor slowdown in subsequent growth expected. By 2021, ACC expects capital spending to reach \$70 billion, contributing to four consecutive years of job growth in the industry. American chemistry revenues will exceed \$1.0 trillion by 2020.



Chemistry Council stated that more than 275 new chemical production projects had been announced since 2010 with a total value of more than \$170 billion, with a full 49% already complete or under construction; 61% of these are the foreign direct investment. By 2021, U.S. capital spending by the chemical industry will reach \$65 billion—more than triple the level of spending at the start of this prolonged cycle in 2010. The trade surplus in chemicals (excluding pharmaceuticals) will grow to \$36 billion this year as exports rise by 2% to \$132 billion and imports hold steady at \$96 billion. Two-way trade between the U.S. and its foreign partners will reach \$227 billion this year and will grow steadily over the coming years.

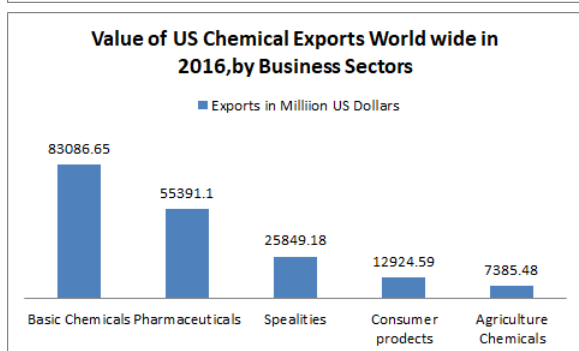
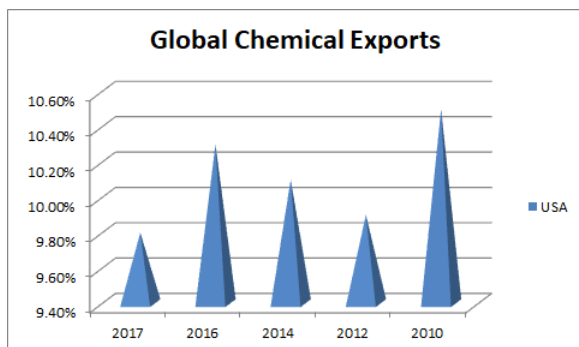
Medicinal Chemistry Market:

Medicinal Chemistry Systems Market Report provides a relevant source of perceptive data for investors. Medicinal Chemistry Market Report also examines global Medicinal Chemistry Systems Industry growth analysis, the past and innovative cost, demand and supply information, and revenue.

Chemical companies from the United States are among the industry's leading global players. With revenue of 48.2 billion U.S. dollars in 2016, Dow Chemical is the largest U.S. chemical company, and the world's third largest behind German chemical companies BASF and Bayer. Other U.S. top companies are Lyondell Basell, DuPont and Praxair. In 2016, several of the leading global chemical companies announced mergers, effectively changing the dynamics of the global chemical industry.

The U.S. is the world's largest exporter of chemical goods. In 2016, chemical exports were worth some 185 billion U.S. dollars. Most of it was generated through

exports to the Asia-Pacific region. The leading countries of destination for chemical exports from the U.S. were Canada, Mexico, and China. However, the U.S. also has a large demand for chemical imports. In 2016, these imports were worth around 206 billion U.S. dollars



The U.S. chemical industry spends relevant amounts for research and development. In 2016, almost 91 billion U.S. dollars were spent for R&D purposes in the chemical industry. That means that R&D funds have almost doubled over the last decade. Accordingly, the United States is the global leader in developing new chemical and pharmaceutical entities.

Scope & Importance:

Medicinal chemistry market has evolved rapidly into a highly interdisciplinary field, enriched by the collaborative efforts of experts from a wide spectrum of specialist areas, from chemoinformaticians and physical chemists to molecular biologists and pharmacologists. Future Medicinal Chemistry provides a regular point of access to commentary and debate for this ever-expanding and diversifying community. The journal showcases milestones in pharmaceutical R&D and features expert analysis of emerging research-from the identification of targets, through to the discovery, design, synthesis and evaluation of bioactive agents. Where relevant, contributions are also actively encouraged on areas as diverse as biotechnology, enzymology, green chemistry, genomics, immunology, materials science, neglected diseases and orphan drugs, pharmacogenomics, proteomics and toxicology.

Anti-infective agents:

The global anti-infective agents market size was valued at USD 111.1 billion in 2018 and is anticipated to expand at a CAGR of 3.4% during the forecast period. Extensive R&D efforts pertaining to the development of new drugs with high efficacy and potency against multi-drug resistant micro-organisms is one of the major factors stimulating the growth?

Synthetic Biology:

- Global synthetic biology market was valued at \$4,291 million in 2014, and expected to reach \$14,743 million by 2020, registering a CAGR of 23.0% during the forecast period 2015 - 2020. Synthetic biology is a novel area of research that is the amalgamation of multiple disciplines such as molecular biology, biotechnology, biophysics and genetic engineering among others.

- The global synthetic biology market is forecast to reach \$38.7 billion by 2020, at a CAGR of 44.2% during the forecast period (2014 - 2020). Europe occupies largest share in the global market and would hold-on to its position throughout 2020. However, Asia Pacific is the fastest growing market with a CAGR of 46.4% from 2014 - 2020.

- Synthetic Biology Market is expected to reach \$38.7 Billion, Globally, by 2020

Excipients in Medicinal Chemistry:

- The global excipients market is expected to grow from USD 6.17 Billion in 2017 to USD 9.78 Billion by 2025, at a CAGR of 5.93% during the forecast period from 2018-2025

- The global chemistry excipients market is projected to reach USD 9.7 billion by 2025 from USD 6.9 billion in 2019, at a CAGR of 5.8%.

- The global chemistry is expected to reach USD 9.04 Billion by 2024 from USD 5.71 Billion in 2016 at CAGR of 5.92% (Detailed analysis of the market CAGR is provided in the report).

Ophthalmic Drugs:

Global Ophthalmic Drugs Market size was valued at \$29,613 million in 2016, and is expected to reach \$42,663 million by 2023, registering a CAGR of 5.3% from 2017 to 2023. Ophthalmic drugs are extensively used to treat glaucoma, cataract, diabetic retinopathy, and other ophthalmic disorders. Introduction of novel ocular drug delivery approaches in the market has driven the manufacturers to develop innovative therapeutic approaches for the treatment of ophthalmic disorders. According to the American Academy of Ophthalmology, 11 million people in the U.S. suffer from age-related macular degeneration (AMD), while approximately 10% of them are inflicted with wet AMD. Such trends in ophthalmic disorders across the globe

contribute to the growth of the market.

Target Audience:

- Professors in Pharmaceutical sciences and Chemistry
- Associate and Assistant Professors in Pharmaceutical sciences and Chemistry
- Post-doctoral and Researchers in Pharmaceutical sciences and Chemistry
- Heads of Pharmaceutical sciences and Chemistry Departments
- Post Graduates and Graduates in Pharmaceutical sciences and Chemistry
- Laboratory Chemists
- Chemical Scientists working on Medicinal Chemistry
- Experts in the development of Medicinal Chemistry

Abbott Laboratories	Amedis Pharmaceuticals	Barnstead International	Becton, Dickinson and Company
Chemistry-software.com	DMV International Pharma	Exchem Mining & Construction	Johnson Matthey
Key Organics Limited	May bridge Chemicals	National Physical Laboratory (NPL)	Oxford Analytical Ltd
Senn Chemicals	Target Molecules	United Kingdom Atomic Energy Authority (UKAEA)	Vertex Pharmaceuticals Inc.
Zinsser Analytic	WRc-NSF Ltd	Strem Chemicals	RSSL Pharma
Pharmacia Corporation	Personal Chemistry	Novabiochem	MDS Pharma Services
Forensic Science Service (FSS)	Current Science Group (CSG)	Pfizer	Zoetis

Related Companies/Industries:

Forensic Science Service (FSS)	Current Science Group (CSG)	Pfizer	Zoetis
--------------------------------	-----------------------------	--------	--------

Association & Societies:

1. European Federation of Catalysis Societies
2. European Federation of Chemical Engineering
3. European Precious Metals Federation
4. Federation of Asian Chemical Societies
5. International Association for the Properties of Water and Steam
6. International Association of Chemical Thermodynamics
7. International Association of Environmental Analytical Chemistry
8. International Association of Nanotechnology
9. International Confederation for Thermal Analysis and Calorimetric
10. International Ultraviolet Association
11. International Union of Crystallography
12. Synthetic Organic Chemical Manufacturers Association
13. Indian Institute of Integrative Medicine
14. Medicinal Chemistry & Pharmacology - CSIR-Indian Institute
15. Division of Medicinal Chemistry – Research Centre for Medicinal Chemistry
16. Medical research institutes in the United Kingdom
17. The Canadian Society for Chemistry
18. Organic division
19. Hellenic Society of Medicinal Chemistry
20. Hungarian Chemical Society

Contact:

Mehrose Elin

Medicinal Chemistry 2020
47 Churchfield Road, London, W3 6AY

Direct: + 44-8000148923

Whats app No. +1(469)685-1926

Email: medicinalchemistry@brainstormingmeetings.com