

12<sup>th</sup> World Congress on

# CHEMISTRY & MEDICINAL CHEMISTRY

Dubai, UAE | November 22-23, 2021

Scan to  
discover more !



Chemistry 2021

Exploring the deeper levels of  
Chemistry towards a Healthier life

Chemistry 2021



## Future Shape of Chemistry and Medicinal Chemistry : Accessions, Organizations & Research

Conference Dedicated to Current Advancements in Chemistry and its Applications  
in Medicinal Chemistry

Your single Destination to reach Largest Assemblage of participants from Chemistry  
Community

Opportunity beyond any Comparison to Attend & Network

Experience the Global Ambiance with Chemical Experts, Researchers, Industrialist  
with Similar Significance

Make New Associations and Fostering Potential Partnerships

Learning & Knowledge in a Single Package

Worldwide Acknowledgement to your Research Profile

Explore the best in Cutting Edge Research

Learn Beyond your Field of Interest

Professional Development to Elevate your Knowledge and Skills

## Chemistry 2021

**Speakers Representation from 50+ Countries**

**1 Conference | 2 Days | 12<sup>th</sup> World Congress in Chemistry Series**

**15 Keynote Talks | 75 Plenary Speakers | 17 Interactive sessions**

**Symposia | Workshops | Best Poster Award**

**350 Attendees | 100 Professors | and many more . . .**

## Greetings!

Welcome to the most exciting and fascinating Dubai, UAE!

Within this splendid setting, we have planned to deliver a conference that will  
exceed your expectations.

During this year's Conference, we hope that you will seize the opportunity to  
rekindle ongoing connections and spark new ones with your colleagues from  
all over the world. It's with great pleasure and great honor to invite you to  
the "12<sup>th</sup> World Congress on Chemistry and Medicinal Chemistry" scheduled  
during **November 22-23, 2021** at **Dubai, UAE**.

The Conference will be organized around the theme "**Exploring the deeper  
levels of Chemistry towards a Healthier life.**"

Chemistry 2021 anticipates more than 500 participants around the globe to  
experience thought provoking Keynote lectures, Oral & Poster presentations.  
This year conference will offer ample opportunities for all stakeholders working  
on Organic, Pharmaceutical, and Petroleum Chemistry to expose their research  
work.

Our conference aims to gather the Researchers, principal investigators,  
experts, chemists and researchers working on Chemistry from both academia  
and health care industry, Business Delegates, Scientists and students across  
the globe to provide an international forum for the dissemination of original  
research results, new ideas and practical development experiences.

This year's Conference program, coupled with the Business Opportunity  
Exchange, is an event you can't afford to miss!

Sincerely

Catherine Carr

Program Manager | Chemistry 2021

Organizing Committee

We are back again! Conference that dedicated its focus to Current Advancements in Chemistry and its Applications in Medicinal Chemistry, one conference which future the shape of Chemistry and Medicinal Chemistry. Our Conference will organize and allow to access the global researchers around the world in a single platform. Chemistry 2021 will provide a great opportunity beyond any comparison to attend and network with Chemistry Community.

Join us at our 2021 edition of Chemistry and Medicinal Chemistry Congress to Experience the Global Ambiance with the Researchers who work with similar significance of research. Chemistry 2021 will help you to get answers to all your queries related to your research work and also it creates a great opportunity to make new associations and also will help to foster potential partnerships. Chemistry 2021 will be a great platform for you to create long lasting relationship with the fellow researchers from Chemistry Community.

Get worldwide acknowledgement to your research profile where more than 55000 Visitors who analyzed our conference website to attend and submit proposals of their research work. Where this was recorded as the highest number of Visitors from both, developed and developing nations. While we penetrate the study of visitor, navigation, and traffic patterns to determine the success of our conference website majority amount of traffic we receive from cities like New York, London, Valencia, Amsterdam, Madrid, Barcelona, Athens, Sydney, Paris, Frankfurt, Tokyo, Osaka, Melbourne, Moscow and Vienna.

Chemistry 2021 website is attracting 56000+ Chemists, Chemical Experts and Chemical Engineers, Chemistry Researchers, Professionals, Pharmacists, Research scientists, Chemistry Organizations and societies, Pharmaceutical companies, Chemistry and Chemical drug Industries, Chemistry associations, Faculties and Students.

This unique opportunity that we extend to our speakers and attendees is not being offered by any other conference organizers. Through this the abstracts and research profiles of our speakers and organizing committee members getting global visibility which is an additional feature that you would be receiving in addition to networking opportunities before, during and after the conference.

## Chemistry 2021 salient features

- Meet Academia and Industry visionaries to get inspired
- Expand your knowledge and find solutions to problems
- Knowledge, Benchmarking and Networking offered at one place
- Forge connections and for global networking
- Highly Organized and Structured Scientific programs
- Poster presentations and world class exhibitions
- Participation by Stalwarts from various international societies
- Internationally renowned speakers and scientists representation
- Career guidance for early career researchers and students
- Interesting scientific deliberations and discussions
- Perfect platform for Global Networking

## Monday, November 22

08:00-09:00

Registration

09:00-09:30

Opening Ceremony

09:30-10:15

Keynote Forum – 01

10:15-11:00

Keynote Forum – 02

11:00-11:30

Networking Reception and Refreshment

11:30-12:15

Keynote Forum – 03

12:15-12:45

Keynote Forum – 04

12:45-13:15

Business Opportunity Exchange & Lunch

13:15-15:00

Session on Chemistry & Organic Chemistry -01

15:00-16:00

Session on Organometallic Chemistry 01-Hall 1

Session on Applied Chemistry 02-Hall 2

Session on Industrial Inorganic Chemistry 03-Hall 3

16:00-16:30

Networking Reception and Refreshment

16:30-18:00

Concurrent Work shops

## Tuesday, November 23

09:00-09:30

Registration

09:30-10:15

Keynote Forum – 01

10:15-11:00

Keynote Forum – 02

11:00-11:30

Networking Reception and Refreshment

11:30-12:15

Session on Petrochemistry – 03

12:15-12:45

Concurrent Workshops

12:45-13:15

Business Opportunity Exchange & Lunch

13:15-15:00

Session on Biochemistry – 04

15:00-16:00

Session on Mechanistic Biochemistry 09 – Hall 1

Session on Pharmacological Biochemistry 10-Hall 2

Agricultural Biochemistry 11-Hall 3

16:00-16:30

Networking Reception and Refreshment

16:30-17:00

Awards Banquet and Closing Ceremony

### Purpose

With members from around the world focused on learning about Chemistry & Medicinal Chemistry, this is your single best opportunity to reach the largest assemblage of participants from the scientific community.

Conduct demonstrations, distribute information, meet with eminent personalities, and make a splash with latest research innovations at this outstanding event.

### Goals

- The conference program emphasizes evidence-based practice, educational innovation, practical application, and peer to peer networking and collaboration.
- The goals of the conference is to provide a transformative professional development experience.
- Bringing together the world's scientific experts to catalyze and advance scientific knowledge about Chemistry and Medicinal Chemistry to present the most recent research findings, and promote and enhance scientific collaborations around the world.
- Bringing together community leaders, scientists, and policy leaders to promote and enhance programmatic collaborations to more effectively generate research ideas in the field of Chemistry that will extend the access towards the subject.

### Objectives

After participating in this meeting, attendees should be able to

- Discuss emerging research prospects in Chemistry & Medicinal Chemistry
- Discuss and apply recent research findings related to Chemistry & Medicinal Chemistry
- Disseminate the diverse voices of breakthrough innovators with visionary and practical solutions.

### Who should attend?

Chemists, Chemistry Professionals, Chemical Experts, Chemical Engineers, Technicians, Pharmacists, Research scientists, Chemistry Organizations and societies, Business delegates, CEO's and R&D Heads from Industries, Directors, Industrial Leaders, Pharmaceutical companies, Chemical & Medicinal drug Industries, Chemistry associations & foundations, Professors and Students from Academia in the study of Chemistry and Medicinal Chemistry and researchers who utilize novel techniques and knowledge in generating research Ideas in Chemistry and Medicinal Chemistry.

### Diverse Action-Oriented Programming & Networking

**EXPERIENCE:** Inspiring change around the country and world, growing a revolution from the heart of Chemistry research.

**EXPLORE** the forefront of breakthrough ideas and models in electrifying morning keynote talks, featuring luminaries and "the greatest people you've never heard of."

**PARTICIPATE** in afternoon panels and workshops/symposiums on diverse topics of Chemistry, Medicinal Chemistry, Pharma and more!

**NETWORK** with a community of leadership – dynamic change makers from around the country and world, or from your region, to develop important professional and personal relationships.

**SHARE** your insights and learning at the conference in participatory and experiential workshops.

**DISCOVER** powerful opportunities and strategies for creating and engaging with progressive change in your work, life and community.

**CELEBRATE** how great the difference one person can make, and how building community amplifies that change.

### Salient Features

- Robust on-line publicity for all the speakers and organizing committee members
- Career Guidance Workshops for students and early career researchers
- Accepted Abstracts will be published in various indexed journals
- Accepted abstracts will be labeled with a Digital Object Identification Number (DOI) provided by Cross Ref
- Creation of speakers and abstracts pages in Google
- Opportunity to publish full Manuscripts in our Open Access Journals





After an awesome response towards Chemistry 2020, we are back again with this inventive part of the Chemistry program. Try not to miss the Chemistry 2021 Conference arrangements composed particularly for the leaps forward in Chemistry and its research.

Join along with us for Chemistry 2021, where the Global Investigators, Clinicians and care suppliers assemble to share the most recent findings and results, speculations and disclosures that will bring the world nearer to achievements in Chemistry Research.

One of the most far-reaching industry in the world is the chemical industry, which is the substantial national producer of chemical products, that expands the domestic & global markets. Chemistry is a business which supports billions of families & communities all over the world, it also powers the growth of the economy by keeping countries competitive. Mergers among various chemical companies brought drastic changes for the global chemical industry.

The funds provided for economic growth by US Chemistry was more than 387 billion U.S. dollars in 2016. Involving the pharmaceutical sector increased the revenue by 380 billion dollars in the same year. The other huge sector in the world in terms of dollar value is, Petrochemical Industry which produces hundreds of billions of dollars globally each year. According to the Organization of the Petroleum Exporting Countries (OPEC), the demand for oil across the world will grow by 1.26 million barrels per day.

Due to an average growth rate of 8 % per year from 2009 to 2014, by 2014 the Global organic chemical market was worth over USD 6 billion. The market is expected to be driven by growing industrialization and rapid urbanization over the forecast period. The spike in incidence rate of various diseases, has lead to increase in development of various drugs which propelled the growth of pharmaceutical industry. This trend is expected to prevail over the forecast period, consequently fueling growth of the organic chemicals market.

The Organizing Committee of Chemistry Series is sorted out for every year, Chemistry Series and incorporates exceptionally prominent universal specialists in an variety of topic areas who are focused on building up the most important and inventive subject and agenda for this year's meeting. In particular, the Organizing board decides the welcomed talks and finalizes the oral & Poster sessions towards the conference.

## Scientific Sessions

Medicinal Chemistry	Analytical & Bio analytical Chemistry
Pharmaceutical Chemistry	Physical Chemistry and Theoretical Chemistry
Chemistry in Drug Designing	Synthetic Chemistry
Clinical Chemistry	Polymer Chemistry
Nano science and Materials Chemistry	Nuclear Chemistry
Organic and Inorganic Chemistry	Electrochemistry
Neurochemistry	Forensic Chemistry
Molecular Biology and Biochemistry	Geochemistry
Agricultural and Food Chemistry	Quantum Chemistry
Environmental and Green Chemistry	
Natural Product Chemistry	

## Chemistry 2021 Outlook

Explore the best in Cutting edge Research

Change to learn beyond your field of Interest

Keynote sessions by worlds most eminent and distinguished researchers

Conference Participation Inspires, Rejuvenate and Energize participants

Chemistry 2021 is a unique platform to increase your reputation within the Chemical Sector

Learning and Knowledge in a single package

Speaker's representation from 50+ Countries

1 Conference | 3 Days and 12<sup>th</sup> conference in the Row



## Market Analysis of Chemistry 2021

It was predicted that, by the year 2018 the overall global economy will expand by almost 4%, the fastest rate since 2011. Key chemical markets also appeared to have a bright outlook. The first half of 2018 showed a significant increase in manufacture of semiconductor materials. For firms like Fujifilm and Miyahashi, Memory chips are a major market. Regarding newer display technologies, consumer demand and the need for new materials will spur, like the market for organic light-emitting diode displays is small but is growing rapidly. Researchers at DowDuPont are developing materials for use in fold able displays, which will create new dimensions in the chemical market.

For solar and wind industries in the U.S the new tax legislation preserved key tax credits , which produce up to 7% of the nation's electricity. The rise in renewable sources has put a new focus on energy storage. According to GTM Research and the Energy Storage Association, the storage market will roughly double in size to nearly 600 MW in 2018.

By 2030, The New York State Energy Research & Development Authority has committed to supply 50% of the state's power from renewable and has invested in 50 energy storage technology projects as part of it. In 2018 the bio based chemicals industry such as Enerkem and Fulcrum BioEnergy has attracted corporate support for its project to produce jet fuels from waste and from purpose-grown crops.

In the agricultural department, even though that the world's largest seller, Monsanto-Bayer is the biggest player in the rise of agricultural data platforms, start-ups are leading innovations in automation and agricultural biotechnology.

By last year, volume of sales increased 4.4% according to the Society of Chemical Manufacturers & Affiliates. Due to product innovation in markets including pharmaceutical, agricultural, and industrial fine chemicals the growth is also expected this year. For example the U.S. Food & Drug Administration accepted 46 drugs in 2017, more than twice as many as in 2016. The growth in drug chemicals is resulted from customer needs for complex or highly potent molecules. Since the corporate tax rate is lower in the U.S., fine chemicals firms will have a stronger position than compared to Europe.

According to the American Chemistry Council (AAC), all went well for specialty chemical output in 2018 due to the persistent growth of in the U.S., continued economic expansion in Asia, and a renewal of demand in Europe. A global production rise of 3.0% was projected by the trade association in 2018 after a 2.5% increase in 2017. Despite a growth in global economy, certain industries that depend on specialty chemicals, such as oil and gas drilling, were weak. However, the shift to electric vehicles and a move away from the use of fluorochemical coolants in home refrigerators are all proofs that there is a likely trend of increase in demand for specialty chemicals. In the paints and coatings sector, they expect a production to rise about 3.5% in 2018. Urethane adhesives, used to assemble and seal automobile body components will project an increase in demand. According to consulting firms, the consumer demand for personal care chemicals continues to rise mainly for blue filters said to protect skin from computer screen emissions and cosmetics formulated to protect skin from air pollutants.

AAC says, 2018 will be the growth year, with chemical output expanding up to 3.7%. According to the Institute for Supply Management, industrial firms increased capital spending by 8.7% in 2017 and will boost it an additional 2.7% this year. According to Deutsche Bank, the global economy will expand by 3.8% in 2018 a bit faster than the expected U.S. rate of 2.6%.

According to the European Chemical Industry Council, chemical output is set to increase 2% in 2018, after growing 3% across the European Union in 2017. Stepping up investment in R&D and help the region transition to a resource-efficient, low-carbon, and circular economy will be the results of the growth in the sector. According to the association, Europe's chemical industry is now responsible for 1.1% of the EU's gross domestic product and 1.2 million jobs. The heartbeat of Europe's chemical industry, Germany, the forecast is for chemical sales to rise 3% in 2018 to more than \$230 billion.

### About Dubai:

Dubai is the most populous city in the UAE and the capital of the Emirate of Dubai. Located on the Persian Gulf coast in the eastern part of the Arabian Peninsula, Dubai aims to be the commercial centre of Western Asia. It is also a major centre of global passenger and freight transport. Oil revenue helped speed up the city 's growth, which was already a major mercantile centre. Dubai's oil production in 2008 accounted for 2.1 per cent of the economy of the Persian Gulf emirate. Dubai's economy, which has been a hub for regional and foreign trade since the early 20th century, depends on revenues from shipping, tourism, aviation, real estate, and financial services.

### Education in Dubai:

In Dubai the school system follows the United Arab Emirates system. As of 2009, the Ministry of Education has run 79 public schools that serve Emiratis and Arab expatriates, as well as 207 private schools. The educational medium at public schools is Arabic, with emphasis on English as a second language, while most private schools use English as their educational medium. While many private schools use English as their teaching medium. Only the Swiss International Science School in Dubai actually claims to deliver parallel streams in different languages-English / French or English / German. Most private schools cater to one or more communities of expatriates.

Most 36 schools provide international education using one or more of the four International Baccalaureate programmes for students between the ages of 3 and 19. Currently, the IB Career-related curriculum has been launched by 15 schools and can be paired with a technical certification such as BTEC.

### Transport within Dubai:

Transport in Dubai is controlled by the Roads and Transport Authority (RTA), an agency of the government of Dubai, formed by royal decree in 2005. The public transport network has in the past faced congestion and reliability issues which a large investment programme has addressed, including over AED 70 billion of improvements planned for completion by 2020, when the population of the city is projected to exceed 3.5 million. In 2009, according to Dubai Municipality statistics, there were an estimated 1,021,880 cars in Dubai. In January 2010, the number of Dubai residents who use public transport stood at 6%.

### Transport source in Dubai:

- Road
- Air
- Metro rail
- Palm Jumeirah Monorail
- Tram
- High speed rail
- Waterways

### Tourism in Dubai:

Tourism is an important part of the Dubai government's policy to keep foreign cash flowing into the emirate. Dubai's tourist appeal is focused predominantly on shopping, but also on providing other ancient and modern attractions. From 2018, based on the number of foreign tourists and the fastest growing number, Dubai is the fourth most visited city in the world, rising by 10.7 per cent. The town welcomed 14.9 million visitors overnight in 2016 and is forecast to hit 20 million tourists by 2020

### Major Tourist Attractions of Dubai:

Burj Khalifa	Burj al-Arab
Dubai Mall	Jumeirah Beach
Dubai Museum	Ras Al Khor Wildlife Sanctuary
Bastakia (Old Dubai)	Crossroads of Civilizations Museum
Sheikh Saeed Al-Maktoum House	Mall of the Emirates
Dubai Creek & Al Seef District	IMG Worlds of Adventure
Jumeirah Mosque	Dubai Opera
Deira	Kite Beach
Dubai Frame	Alserkal Art District
Sheikh Zayed Road	Dubai Parks and Resorts
Heritage and Diving Village	Aquaventure Waterpark
Dubai Aquarium	Dubai Miracle Garden
	Dubai Butterfly Garden

### Accompany Partners' Policy:

We respectfully remind you that partners accompanying delegates/speakers are not eligible to attend conference sessions and do not qualify for refreshments and lunches during the day unless they have registered.

Any partner wishing to attend events not previously selected and paid for in his or her registration may do so at the Conference Registration desk.

We would be pleased to accommodate any requests where possible.

### Registration and Accommodation

#### Policy:

Registration and accommodation changes will not be accepted unless made in writing.

Changes made within 14 days of the event may incur costs due to specific hotel and venue policies

#### Cancellation Policy:

Registration cancellations will not be accepted unless made in writing.

Cancellations request made before December 30, 2020 will be refunded less 25% of the Conference Registration fee, to cover administration costs.

No registration refunds will be processed after this date, however, substitute delegates are welcome.

### Conference Secretariat

#### Catherine Carr

Program Manager | Chemistry 2021

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## Academic

Only Registration: USD 999

Package A (Registration + 3 nights' Accommodation): USD 1399

Package B (Registration + 4 nights' Accommodation): USD 1599

## Business

Only Registration: USD 899

Package A (Registration + 3 nights' Accommodation): USD 1499

Package B (Registration + 4 nights' Accommodation): USD 1699

## Student

Student YRF: USD 499

Student Poster: USD 599 (USD 499 + USD 100 for Poster)

Student Participation with all Amenities: USD 399

E-poster: USD 99

## Important Dates

Abstract submission opens: July 05, 2021

Registration opens: June 24, 2021

Early bird registration: September 20, 2021

On spot registration: November 22, 2021

## To Register:

Online: <https://chemistry.alliedacademies.com/registration>

Email us for the Purchase Order or Invoice: [chemistry@alliedtalk.com](mailto:chemistry@alliedtalk.com)

Call: +44 20 3769 1755 to register by phone