



## Sample Abstract

**Title:** The title of the abstract must be short and self explanatory  
(Font type: Times New Roman; Font size 12, bold; Upper case)

**Authors:** First name Last name<sup>1</sup>, First name Last name<sup>2</sup>, First name Last name<sup>2</sup>  
(Font type: Times New Roman; Font size 12, bold)

<sup>1</sup>Affiliation, Institution/Organization, Official Address

<sup>2</sup>Affiliation, Institution/Organization, Official Address

(Font type: Times New Roman; Font size 12, not bold)

**\*Corresponding/Presenting author:**

**Phone:** xxxxxxx

**Email:** xxxxx@yyyy.zzz

(Font type: Times New Roman; Font size 10, not bold)

### ABSTRACT

(Not more than 250 words types in Times New Roman with 1.5 Line spacing, Font size 12, not bold keeping headings as follows:

**Background:** Clear definition and introduction to the topic. No reference should be included

**Aims/Objectives:** Must be clear and to the point

**Methods:** Brief methodology of the study that must be clearly stated

**Results & Discussion:** It must be in the form of running text. If required figures may be added. No tables are allowed.

**Conclusion:** Must be clear and related to research raised by the presenting author

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## 4<sup>th</sup> One Day National Webinar

**NEW HORIZONS IN DRUG DISCOVERY & DEVELOPMENT**

# NHDDD-4

on

## Innovative Research and Challenges in Pharmaceutical Sciences

**March 11, 2021**

NO REGISTRATION  
CHARGES

LIMITED  
SEATS AVAILABLE



The meeting link will be sent in registered email one day before

**For registration and abstract submission visit: [www.ddmc.org.in](http://www.ddmc.org.in)**

**ORGANIZED BY**

**School of Pharmaceutical Education & Research**

(NIRF 2020 Rank 1 Pharmacy School of India)

Jamia Hamdard (Recommended Institute of Eminence)

New Delhi-110062, India

# Invitation

**Dear Friends.....**



**Greetings from Jamia Hamdard !!!**

It has been extremely gratifying and motivating to receive an overwhelming response to the invitation of NHDDD-1 (held on 17-09-2011), NHDDD-2 (held on 16-11-2015) and NHDDD-3 (held on 18-02-2019). In this series we are going to organize 4<sup>th</sup> One Day National Webinar “NEW HORIZONS IN DRUG DISCOVERY & DEVELOPMENT: Innovative Research and Challenges in Pharmaceutical Sciences (NHDDD-4)” keeping in mind the various research going on in field of Pharmaceutical Sciences.

On behalf of organizing committee, we would like to invite you to participate in this webinar to be organized virtually by Department of Pharmaceutical Chemistry, School of Pharmaceutical Education & Research (SPER), Jamia Hamdard on 11<sup>th</sup> March, 2021.

This webinar will review, discuss and explore the scope of pharmaceutical innovations with emphasis on precision medicine and integrative research. Recent updates on management of oxidative stress, neurological disorders and translation of natural bioactive from bench to bed side will also be explored.

We are eagerly looking forward to welcome you as an attendee of this webinar.

**Sincerely**

<b>Dr. M. Mumtaz Alam</b>	<b>Prof. (Dr.) Anees A Siddiqui</b>	<b>Prof. (Dr.) Mohd. Amir</b>
Convener	Co-Chairperson	Chairperson
<b>Prof. (Dr.) M. A. Jafri</b>	<b>Mr. Hamid Ahmed</b>	
Patron	Chief patron	

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## Jamia Hamdard

The history of Jamia Hamdard began with the establishment of a small Unani clinic in the year 1906 by Hakeem Hafiz Abdul Majeed, a practitioner with the vision of making the practice of Unani medicine a scientific discipline. In 1972, Hamdard College of Pharmacy was setup with the objective of providing education and training in all branches of Pharmacy, which was given the Deemed University status in the year 1989. Currently, Jamia Hamdard is engaged in imparting high quality teaching and research in the disciplines of Pharmacy, Science, Medicine, Nursing, Management, Information Technology, Allied Health Sciences, Islamic studies etc. In recognition of its excellent and academic achievements, Jamia Hamdard has been awarded Institute of Eminence (IOE) by Govt of India and accredited with 'A' Grade by National Accreditation and Assessment Council (NAAC). It has recently been ranked 21<sup>st</sup> amongst the top 100 universities in India by NIRF-2020, Govt. of India.

### Department of Pharmaceutical Chemistry School of Pharmaceutical Education & Research

The Department of Pharmaceutical Chemistry is one of the core department, engaged in research related to drug development and discovery. The Department was formally established in 1986 with the M. Pharm. (Pharmaceutical Chemistry) and Ph.D. programme. The University started two year M Pharm (Pharm Analysis) course in the academic year 2006. The courses are approved by the All India Council for Technical Education (AICTE) and Pharmacy Council of India (PCI). The Department is well equipped with modern wet laboratories along with analytical instruments like NMR (Bruker Avance-400MHz), IR (Bruker alpha-T spectrophotometer), Mass (Waters SYNAPT UPLC-MS/MS) etc. The Department has received research grants to the tune of more than Rs. 2.5 crores from various funding agencies like UGC/ ICMR/ AYUSH/ AICTE/ DST/ DBT. Currently, DST-FIST (Level-1) of amount Rs 1.23 Crore was awarded to the department. The students are well placed in various industries (Ranbaxy Research Laboratories-Diachi, Sun-Pharma, Nicolas Piramal, Jubilant Organosys, Dabur *etc*) and Academic and Research Institutions through Placement cell. The School of Pharmaceutical Education & Research has recently been ranked 1<sup>st</sup> amongst the various Pharmacy Institutions in India by NIRF-2020, Govt. of India.

## About the Conference

Pharmaceutical innovation is an open, inventive and composite system that includes a wide range of carrier opportunities other than R&D. However, Innovation is entirely different from discovery, serendipity and invention. Innovation is the implementation and application of knowledge and the yoking of ingenuity via progressive management and intellectual proficiency. Since a long time, it has been a matter of debate and an issue of concern amongst the pharmaceutical industrial analyst that, despite of the enormous investment of time and money in newer life-science technologies, the conventional model of drug discovery is untenable. No doubt, irrespective of numerous challenges, the pharmaceutical industry has shown exponential growth by growing its market share in both, developed as well as in developing worlds. The 19<sup>th</sup> century is considered as the commencement of the modern era of the pharmaceutical industry, as, this was a time when the immense focus was shifted towards chemical synthesis. Before the 19<sup>th</sup> century, therapeutic interventions mostly relied on animals, minerals and plant-derived natural products. However, the 20<sup>th</sup> century witnessed the emergence of a consolidative approach in synthetic chemistry, where chemistry and physiology were integrated and this approach tremendously amplified the understanding of basic drug-discovery processes. At present pharmaceutical industry is among the top investor of their budget for the R&D and the result of these investments reflects on the discovery of a myriad of drugs for various intricate diseased conditions. Despite continuous improvement and development of newer therapy, unmet need for novel and innovative therapeutic interventions exist to meet the positive clinical outcome of these intricate disease and to strengthen their financial architecture. Top 10 Innovation trends that are influential Pharmaceutical Industry are, emphasis on Prevention over treatment; Crowdsourcing the solutions: Exploration of natural products-based therapeutics; Biological labs; Open innovation vs Confidentiality; Reverse innovation; Empowered and know-how patients; Nanotechnology-based therapeutics; Artificial intelligence; 3D Printing; Customization and personalized medicine and Cognitive computers and Body Sensors.

The recent trends highlighting innovations in the above fields will be discussed under the main theme of the conference.

## Themes

- ❖ *Precision Medicine*
- ❖ *Recent Developments in the management of Oxidative stress and neurological disorders, Neuro inflammation.*
- ❖ *Recent update and challenges in translating natural bioactive from bench to bedside*
- ❖ *Natural products as lead compounds in drug discovery*
- ❖ *The importance of toxicology research in preclinical studies*
- ❖ *Integrative research: A step closer to innovative research and solution for the challenges in pharmaceutical sciences*
- ❖ *Development of commercially viable products (Rx or OTC) with minimum regulatory requirements*
- ❖ *Metabolomics*
- ❖ *Chemistry in Nanotechnology*
- ❖ *Super Natural products - Synthesis and re-engineering of natural products for new biological targets*
- ❖ *"What to synthesize?" rather than "How to synthesize?": A medicinal chemist approach Bioinformatics*

### **Who can Participate:**

Students, Scientists, Faculty, Industry who seek to learn latest innovation and problems in the field of Pharmaceutical Sciences

## Call For Abstracts

Scientific papers are invited for e-poster presentation. Original and unpublished work based on the theme shall reach convener by **05<sup>th</sup> March 2021**. The abstract should be submitted online in MS word, Times New Roman, 12 font, 1.5cm spacing with maximum 250 words to **[newhorizons.ddd@gmail.com](mailto:newhorizons.ddd@gmail.com)**. Only registered candidates will be allowed to present the accepted papers and he/she must be one of the co-authors of the paper during submission. The abstract should include title in capital, authors with surname followed by initials and affiliations. The name of the presenting author should be indicated by underlining the author. Not more than one abstract should be submitted by one author. A time slot of 5-7 minutes will be allotted to the presenter for presenting his/her work. Best e-Posters will be awarded with a Cash Prize of Rs. 1000/-.

Link For Registration : [www.ddmc.org.in](http://www.ddmc.org.in)

Abstract submission site opens	17 <sup>th</sup> February, 2021
Abstract submission deadline	05 <sup>th</sup> March, 2021
Notification of acceptance	08 <sup>th</sup> March, 2021
Registration deadline	05 <sup>th</sup> March, 2021

### **For Further Details, Contact:**

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