



# 3<sup>rd</sup> ONE DAY NATIONAL SEMINAR on



# CURRENT REGULATIONS ON HERBAL DRUGS & FOOD SUPPLEMENTS

16<sup>th</sup> May, 2017

Venue: Hamdard Convention Centre

**JAMIA HAMDARD (HAMDARD UNIVERSITY), New Delhi**

Organized by : Department of Pharmacognosy and Phytochemistry, School of Pharmaceutical Education and Research,  
**JAMIA HAMDARD**

in collaboration with **SOCIETY FOR NEW AGE HERBALS**

Sponsors :





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**REGISTRATION FORM**  
**3<sup>rd</sup> ONE DAY NATIONAL SEMINAR**  
on



**CURRENT REGULATIONS ON HERBAL DRUGS &  
FOOD SUPPLEMENTS**

Name (Dr./Mr./Mrs./Miss): \_\_\_\_\_  
Designation: \_\_\_\_\_  
Address: \_\_\_\_\_  
Mobile No: \_\_\_\_\_  
E-mail: \_\_\_\_\_  
Details of Registration Fee: \_\_\_\_\_  
Amount: \_\_\_\_\_ D. D. No: \_\_\_\_\_

Signature of Applicant  
Forwarded by Head/ Dean/Supervisor  
(Registration available for only 200 seats)

**Registration Fee**

For delegates: Rs 500 for Teachers, Rs 300 for Research Scholars, Rs 1500 for Scientist of Industry and other Organizations

The registration fees should be paid through cash/cheque/demand draft in favour of "Jamia Hamdard" payable at New Delhi.

Free registration for Members of Society for New Age Herbals and Society for Ethnopharmacology

**PATRON: Prof SE Hasnain, Vice Chancellor**

**CO-PATRON: Prof SH Ansari**

**CHAIRMAN ORGANIZING COMMITTEE: Prof (Mrs) Vidhu Aeri**

**ORGANIZING SECRETARY: Dr Sayeed Ahmad**

**Co-ordinators: Prof Nadeem Siddiqui (JH), CP Khare & Dr Arun Gupta (SNAH)**

**Deputy-cordinators: Dr Mohd Mujeeb, Dr SR Mir, Dr BP Panda, Dr Sashibhushan**

**ADVISORS: Prof Anwar Ahmed, Dr VK Agrawal, Dr Abrar Ahmad Hashmi, Dr Gian Singh, Dr KK Srivastava, Dr CK Katiyar, Dr Brahma Singh (SNAH), Prof Asgar Ali, Prof FJ Ahmad, Prof Kanchan Kohli, Prof Mohd Amir, Prof AA Siddiqui, Prof Bahar Ahmad, Prof Sandhya Bawa, Prof N Saha, Prof Divya Vohra, Prof Uma Bhandari (JH)**

**JAMIA HAMDARD**

Declared No. 1 in Pharmacy  
(NIRF 2017, MHRD)

Organizing

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on



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HERBAL DRUGS &  
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On 16<sup>th</sup> May 2017 at Convention Centre  
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Organized by

Department of Pharmacognosy & Phytochemistry,  
School of Pharmaceutical Education & Research,  
Jamia Hamdard, Hamdard Nagar, New Delhi

In collaboration with  
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## CURRENT REGULATIONS ON HERBAL DRUGS & FOOD SUPPLEMENTS

On 16<sup>th</sup> May 2017 at Convention Centre  
JAMIA HAMDARD



Organized by

Department of Pharmacognosy  
& Phytochemistry, School of  
Pharmaceutical Education &  
Research, Jamia Hamdard,  
Hamdard Nagar, New Delhi

In collaboration with  
SOCIETY FOR NEW AGE HERBALS

Organising Secretary  
**DR. SAYEED AHMAD**  
In charge Bioactive Natural Product Laboratory,  
SPER, Jamia Hamdard  
sahmad\_jh@jamiahamdard.ac.in,  
Contact No.: 9891374647

Important Dates  
Last date of abstract submission : 5<sup>th</sup> May, 2017  
Last date for registration : 10<sup>th</sup> May, 2017  
Seminar Date : 16<sup>th</sup> May, 2017  
Submit abstract at : [bnpljh@gmail.com](mailto:bnpljh@gmail.com)





Bioactive Natural Product Laboratory,  
Department of Pharmacognosy and Phytochemistry,  
School of Pharmaceutical Education and Research,

**JAMIA HAMDARD**

*Cordially invites you to the Inaugural Function of*

## 3<sup>rd</sup> ONE DAY NATIONAL SEMINAR on



## CURRENT REGULATIONS ON HERBAL DRUGS & FOOD SUPPLEMENTS

**Prof R K Goyal**

Vice Chancellor of DPSRU will be the Chief Guest

**Prof S S Handa**

Eminent Pharmacognosist and ex director IIIM Jammu  
will deliver the Keynote address

**Prof S E Hasnain**

Hon'ble Vice-Chancellor, Jamia Hamdard  
will Preside over the function

**Date and Time:**

**Tuesday, 16th May, 2017 at 9.30 a.m.**

**Venue:**

**Hamdard Convention Centre,  
JAMIA HAMDARD, New Delhi-110062**

**RSVP**

**Dr Sayeed Ahmad (Organising Secretary)**

**Phone No: +91-9891374647**

## 3<sup>rd</sup> ONE DAY NATIONAL SEMINAR

on



## CURRENT REGULATIONS ON HERBAL DRUGS & FOOD SUPPLEMENTS

### Inaugural session

9.30 am	Arrival of Chief Guest
9.35 am – 9.40 am	Recitation from the Holy Quran
9.40 am – 9.45 am	Presentation of bouquet to Chief Guest and Keynote speaker
9.45 am – 9.50 am	Introduction to the Seminar - Prof Vidhu Aeri, Head, Department of Pharmacognosy & Phytochemistry
9.50 am – 9.55 am	Address by Prof N Siddiqui, Dean, School of Pharmaceutical Education and Research
9.55 am – 10.05 am	Inaugural Lecture by Chief Guest R K Goyal, Vice Chancellor DPSRU, New Delhi
10.05 am – 10.30 am	Keynote address by Prof S S Handa, Eminent Pharmacognosist and ex director IIIM Jammu
10.30 am – 10.40 am	Presidential Remarks–Prof S E Hasnain, Vice Chancellor, Jamia Hamdard
10.40 am – 10.45 am	Vote of Thanks by Organising Secretary, Dr Sayeed Ahmad
10.45 am – 10.50 am	National Anthem
10.50 am	High Tea

**REGISTRATION FORM**  
**POST SEMINAR ONE DAY WORKSHOP**

on

**GCMS METABOLOMICS**

Name (Dr./Mr./Mrs./Miss.): \_\_\_\_\_

Qualification: \_\_\_\_\_

Address: \_\_\_\_\_

E-mail: \_\_\_\_\_

Phone No.: \_\_\_\_\_ Mobile: \_\_\_\_\_

Registration Fee: @200/ candidate, cash/cheque in favor of Jamia Hamdard

Amount paid: \_\_\_\_\_ Option cash/ DD. No: \_\_\_\_\_

Date: \_\_\_\_\_

Bank: \_\_\_\_\_

(Registration limited to 50 only)

Signature of Applicant

**FOR REGISTRATION: Contact Ms Varisha Anjum (9891576951), Sheeraz Ahmad (9953162001)**

**Program Schedule:**

Lecture 1: Basics of GCMS by Indrajit Sen (Agilent technologies) 11:00 – 12.00 pm

Lecture 2: LC-QTOF Mass- spectrometer: A workhorse for metabolomics applications by Saurabh Nagpal (Agilent technologies) 12:00 – 1.00 pm

Demo: GCMS analysis of metabolites by Indrajit Sen & Saurabh Nagpal (Agilent technologies) 2:00– 5:00 pm

**CO-ORDINATORS**

**Dr Sayeed Ahmad, Dr SR Mir**

**Department of Pharmacognosy and Phytochemistry,  
School of Pharmaceutical Education and Research, Jamia Hamdard,  
New Delhi-110062**

**POST SEMINAR ONE DAY  
WORKSHOP**

on

**GCMS METABOLOMICS**

**17<sup>TH</sup> MAY 2017**



**Organized By**

**Department of Pharmacognosy and Phytochemistry,  
SCHOOL OF PHARMACEUTICAL EDUCATION AND RESEARCH,  
JAMIA HAMDARD, Hamdard Nagar, New Delhi-110062**

**PROGRAM SPONSOR: AGILENT TECHNOLOGIES**



**PROGRAMME SCHEDULE (Tentative)**  
**3<sup>rd</sup> ONE DAY NATIONAL SEMINAR ON**  
**CURRENT REGULATIONS ON HERBAL DRUGS AND FOOD**  
**SUPPLEMENTS**  
**(16<sup>TH</sup> MAY 2017)**

	TIME	TOPIC	SPEAKERS
	08:00-09:15	<b>REGISTRATION OF DELEGATES</b>	
SESSION 1	09:15-10:30	<b>INAUGURAL FUNCTION</b>	Head of Department Chief Guest, Guest of Honour Keynote Speaker (Prof SSHanda) Hon'ble Vice Chancellor Organizing Secretary
	10:30- 11:00	<b>HIGH TEA</b>	
SCIENTIFIC SESSION 2	11:00 – 1:00	<b>Scientific Lecture-1</b> Regulatory frameworks for AYUSH drugs	<b>Dr DC Katoch (Advisor AYUSH)</b> Ministry of AYUSH
		<b>Scientific Lecture-2</b> Current scenario of regulations on Herbal/ Ayurvedic medicines	<b>Dr JLN Sastry (Dabur)</b> Head, Health Care
		<b>Scientific Lecture-3</b> Quality control of Unani and Herbal Medicines in India	<b>Dr Santosh Joshi (Hamdard Laboratory)</b> GM, Head, R & D
		<b>Scientific Lecture-4</b> Regulatory affairs and drug regulatory systems of India	<b>Dr A Ramkishan (CDSCO)</b> Deputy Drugs Controller
	01:00-01:45	<b>LUNCH</b>	
SCIENTIFIC SESSION 3	01:45 – 04:15	<b>Scientific Lecture-5</b> Clinical trial of a Herbal Medicine in Heart failure patient in a tertiary hospital	<b>Prof SK Maulik (AIIMS)</b> Professor of Pharmacology
		<b>Scientific Lecture-6</b> Quality of Herbal Raw Material- Basis for quality of herbal products	<b>Mr Shohrab (IBS, ISO)</b> MD, Quality care
		<b>Scientific Lecture-7</b> Biological diversity Act-2002 & its implications for bio-pharmaceutical sector	<b>Dr NB Brindavanam (Dabur)</b> Advisor, DRDC
		<b>Scientific Lecture-8</b> Drug Development and Regulatory Aspects in ASU systems- Scope and Challenges	<b>Dr N Srikanth (AYUSH)</b> DDG, CCRAS
		<b>Scientific Lecture-9</b> Current Regulations on Food Supplements	<b>Dr. Sanjay Sharma (GSK)</b> Head, Regulatory Food Supplements (Glaxo Smith Kline)
	4:15 – 4:30	<b>EVENING TEA</b>	
SCIENTIFIC SESSION 4	04:30 – 06:00	<b>Scientific Lecture-10</b> Phytopharmaceuticals a new scope in herbal drug research	<b>Dr Neeraj Tandon (ICMR)</b> Scientist G, Head Medicinal Plants Div
		<b>Scientific Lecture-11</b> Clinical Regulations on herbals an Indian Scenario	<b>Dr Arun Gupta (Dabur)</b> Head, Clinical Research
		<b>Scientific Lecture-12</b> Current regulations on modern herbal medicine	<b>Dr Khalid Khan (Fermish)</b> MD, Fermish
	04:15 – 05:00	<b>JOB FAIR POSTER SESSION FOR M. PHARM &amp; Ph D PHARMA COGNOSY (Dabur, Hamdard, Aimil, Fermish etc)</b>	
	04:15 -06.00	<b>Scientific POSTER session</b>	<b>Parallel sessions</b>
	04:15 -06.00	<b>Scientific E-Poster Session/ Oral</b>	
	06:00 -07.00	<b>VALEDICTORY FUNCTION</b>	



























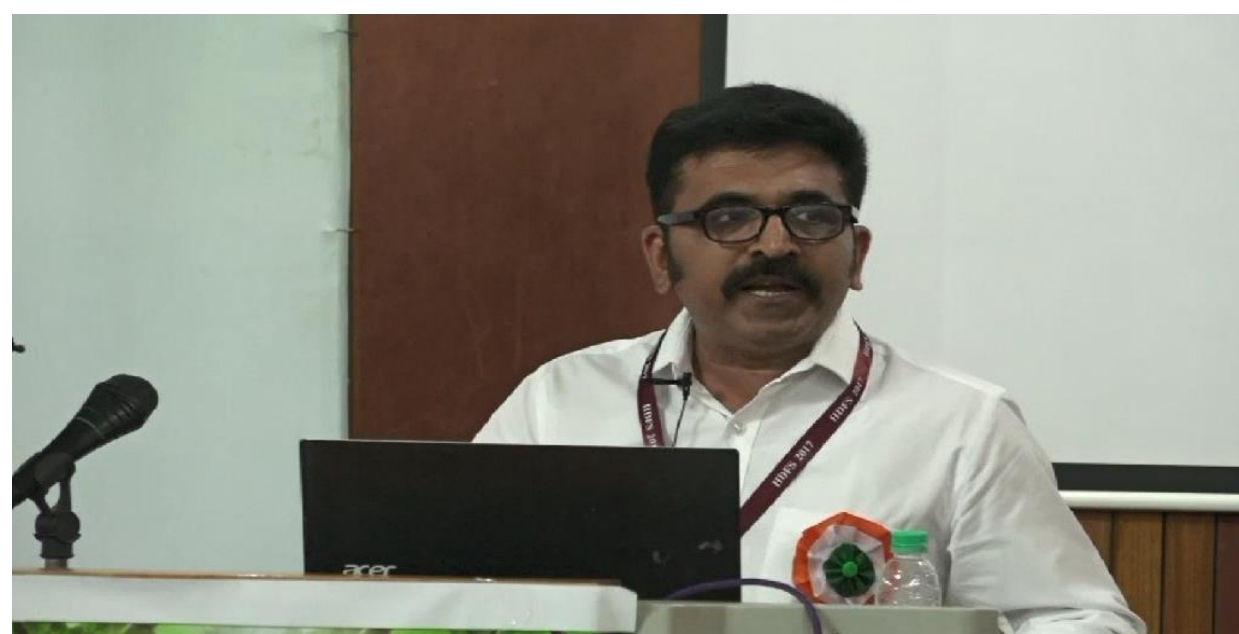






































## جامعہ ہمدرد میں قومی سیمینار کا انعقاد

جامعہ ہمدرد کی صدارت میں منعقد اس سیمینار میں مہمان خصوصی فارسی کی دنیا کا ایک بڑا نام پروفیسر ایس ایس ہانڈ اور آر کے گوئل وائس چانسلر دہلی فارماسیوٹیکل سائنس اینڈ ریسرچ تھے۔ اس کے علاوہ ڈاکٹر ارون گپتاسی ای او نیو ایچ ہربل بھی زینت محفل رہے۔ اس سیمینار کے عنوان سے متعلق سبھی ماہرین نے اپنے پیش قیمت خیالات کا اظہار کیا۔ اخیر میں اس پروگرام کے آرگنائیزر ڈاکٹر سعید نے مہمانوں کا شکریہ ادا کیا۔

یہ اطلاع نشر و اشاعت کی ذمہ داری سبھی ڈاکٹر خورشید احمد انصاری ایسوسی ایٹ پروفیسر شعبہ اناٹومی اسکول آف یونائیٹڈ میڈیسن جامعہ ہمدرد نے دی۔

نئی دہلی (پریس ریلیز) جامعہ ہمدرد میں ایک روزہ نیشنل سیمینار بعنوان (دور حاضر میں صنعت ادویہ بنانی کے قوانین و اصول اور غذا دوائی) کا انعقاد کیا گیا جس میں مختلف جامعات، تعلیمی اداروں اور طبی تنظیموں کے سرکردہ افراد نے بطور خاص شرکت کی۔ سیمینار کا انعقاد ہندوستان میں سرفہرست فارسی کالجوں میں اعلیٰ پوزیشن پر فائز اسکول آف فارسی جامعہ ہمدرد نے کیا تھا۔ اس سیمینار میں ملک بھر سے ادویہ کے ماہرین، یونانی اور آیورویڈ ڈاکٹروں کے علاوہ ملک بھر سے تقریباً 600 مندوبین نے شرکت کی۔

پروفیسر سید احتشام حسین وائس چانسلر

Roznama Rashtriya Sahara, 19 May, 2017 New Delhi

## ہمدرد یونیورسٹی میں فارمیسی پر سیمینار

نورول ہودا ا.ہی.بھو، نئی دہلی۔

بھارت کے فارمیسی کے سب سے شہرت یافتہ اداروں، فیکلٹی آف فارمیسی، ہمدرد یونیورسٹی میں ایک دو روزہ سیمینار منعقد کیا گیا۔ سیمینار میں مہمان خصوصی ڈاکٹر ارون گپتاسی ای او نیو ایچ ہربل بھی زینت محفل رہے۔ اس سیمینار کے عنوان سے متعلق سبھی ماہرین نے اپنے پیش قیمت خیالات کا اظہار کیا۔ طلبہ کی ایک کثیر تعداد نے استفادہ کیا۔ اخیر میں اس پروگرام کے آرگنائیزر ڈاکٹر سعید نے مہمانوں کا شکریہ ادا کیا۔ یہ اطلاع نشر و اشاعت کی ذمہ داری سبھی ڈاکٹر خورشید احمد انصاری ایسوسی ایٹ پروفیسر شعبہ اناٹومی اسکول آف یونائیٹڈ میڈیسن جامعہ ہمدرد نے دی۔



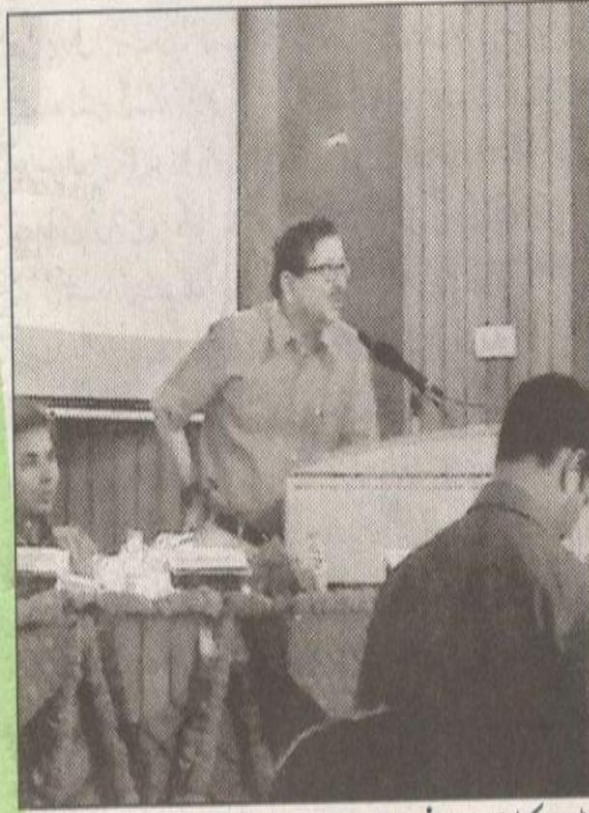
ڈاکٹر. ارون گپتا، ڈاکٹر. خورشید انصاری اور ڈاکٹر. سعید نے سیمینار کے انعقاد میں اہم کردار ادا کیا۔ سیمینار میں مہمان خصوصی ڈاکٹر ارون گپتاسی ای او نیو ایچ ہربل بھی زینت محفل رہے۔ اس سیمینار کے عنوان سے متعلق سبھی ماہرین نے اپنے پیش قیمت خیالات کا اظہار کیا۔ طلبہ کی ایک کثیر تعداد نے استفادہ کیا۔ اخیر میں اس پروگرام کے آرگنائیزر ڈاکٹر سعید نے مہمانوں کا شکریہ ادا کیا۔ یہ اطلاع نشر و اشاعت کی ذمہ داری سبھی ڈاکٹر خورشید احمد انصاری ایسوسی ایٹ پروفیسر شعبہ اناٹومی اسکول آف یونائیٹڈ میڈیسن جامعہ ہمدرد نے دی۔

دہلی (پریس ریلیز) آج جامعہ ہمدرد میں ایک روزہ نیشنل سیمینار بعنوان (دور حاضر میں صنعت ادویہ بنانی کے قوانین و اصول اور غذا دوائی) کا انعقاد کیا گیا۔ اس سیمینار میں ملک بھر سے ادویہ کے ماہرین، یونانی اور آیورویڈ ڈاکٹروں کے علاوہ ملک بھر سے تقریباً 600 مندوبین نے شرکت کی۔

پروفیسر سید احتشام حسین وائس چانسلر

Awame Hind, 17 May 2017, New Delhi

## جامعہ ہمدرد میں ایک روزہ نیشنل سیمینار، ملک بھر یونانی ماہرین کی شرکت



نئی دہلی (پریس ریلیز) آج جامعہ ہمدرد میں ایک روزہ نیشنل سیمینار بعنوان (دور حاضر میں صنعت ادویہ بنانی کے قوانین و اصول اور غذا دوائی) کا انعقاد کیا گیا۔ اور اس کا انعقاد ہندوستان میں سرفہرست فارسی کالجوں میں اعلیٰ پوزیشن پر فائز اسکول آف فارسی جامعہ ہمدرد نے کیا تھا۔ اس سیمینار میں ملک بھر سے ادویہ کے ماہرین، یونانی اور آیورویڈ ڈاکٹروں کے علاوہ ملک بھر سے تقریباً 600 مندوبین نے شرکت کی۔ پروفیسر سید احتشام حسین وائس چانسلر جامعہ ہمدرد کی صدارت میں منعقد اس سیمینار میں مہمان خصوصی کے طور پر فارسی کی دنیا کا ایک بڑا نام پروفیسر ایس ایس ہانڈ اور آر کے گوئل وائس چانسلر دہلی فارماسیوٹیکل سائنس اینڈ ریسرچ نے شرکت کی۔

اس کے علاوہ ڈاکٹر ارون گپتاسی ای او نیو ایچ ہربل بھی زینت محفل رہے۔ اس سیمینار کے عنوان سے متعلق سبھی ماہرین نے اپنے پیش قیمت خیالات کا اظہار کیا۔ طلبہ کی ایک کثیر تعداد نے استفادہ کیا۔ اخیر میں اس پروگرام کے آرگنائیزر ڈاکٹر سعید نے مہمانوں کا شکریہ ادا کیا۔ یہ اطلاع نشر و اشاعت کی ذمہ داری سبھی ڈاکٹر خورشید احمد انصاری ایسوسی ایٹ پروفیسر شعبہ اناٹومی اسکول آف یونائیٹڈ میڈیسن جامعہ ہمدرد نے دی۔

Roznama Khabrein, 19 May, 2017, New Delhi



## جامعہ ہمدرد میں ایک روزہ نیشنل سیمینار کا انعقاد

مہمان خصوصی کے طور پر فارمیسی کی دنیا ایک بڑا نام پروفیسر ایس ایس ہانڈا، اور آر کے گوپل وائس چانسلر دہلی فارماسیوٹیکل سائنس اینڈ ریسرچ نے شرکت کی۔ اس کے علاوہ ڈاکٹر ارون گپتاسی ای او نیو ایچ ہربل بھی زینت محفل رہے۔ اس سیمینار کے عنوان سے متعلق سبھی ماہرین نے اپنے بیش قیمت خیالات کا اظہار کیا۔ طلبہ کی ایک کثیر تعداد نے استفادہ کیا۔ اخیر میں اس پروگرام کے آرگنائیزر



نئی دہلی (پریس ریلیز)

آج جامعہ ہمدرد میں ایک روزہ نیشنل سیمینار بعنوان (دور حاضر میں صنعت ادویہ بنانی کے قوانین و اصول اور غلام دوائی) کا انعقاد کیا گیا۔ اور اس کا انعقاد ہندوستان میں سرفہرست فارمیسی کالجوں میں اعلیٰ پوزیشن پر فائز اسکول آف فارمیسی جامعہ ہمدرد نے کیا تھا۔ اس

ڈاکٹر سعید نے مہمانوں کا شکریہ ادا کیا۔ یہ اطلاع نشر و اشاعت کی ذمہ داری نبھارہے ڈاکٹر خورشید احمد انصاری ایسوسی ایٹ پروفیسر شعبہ اناتومی اسکول آف یونانی میڈیسن جامعہ ہمدرد نے دی۔

سیمینار میں ملک بھر سے ادویہ کے ماہرین، یونانی اور آیورویڈ ڈاکٹروں کے علاوہ ملک بھر سے تقریباً ۶۰۰ مندوبین نے شرکت کی۔ پروفیسر سید احتشام حسین وائس چانسلر جامعہ ہمدرد کی صدارت میں منعقدہ اس سیمینار میں

## ہربل و یونانی دواؤں پر ایک روزہ قومی سیمینار منعقد



نئی دہلی، 16 مئی (صحافت بیورو) شعبہ فارمیسی، جامعہ ہمدرد نے نئے ایچ ہربل سوسائٹی، نئی دہلی کے تعاون سے موجودہ وقت میں ہربل ادویات پر ایک روزہ قومی سیمینار کا انعقاد کیا۔ اس سیمینار میں قومی و عالمی پیمانے پر مشہور اسکالرز نے ہربل ادویات سے متعلق موضوعات پر اپنے خیالات رکھے اور بحث کی۔ پینل سے حاصل ادویات کی ضرورت اور مسائل میں عالمی پیمانے پر مسلسل اضافہ ہوا ہے۔ جس کا راز اور تجارت کی دوز میں ادویات شہد کج نام مل کی بھجکا تھا ان کی جسم کی صحت سے متعلق خطرات کو پیدا کرنے کے ساتھ ساتھ قومی شہد کو بھی نقصان پہنچاتا ہے۔ اس کے علاوہ ہربل ادویات کی مصنوعات کو جانکھ اور آلودہ کرنے والے جج جس سے جانکھ خوراک کے معیار کا قوانین

جامعہ ہمدرد کی جانب سے منعقد ہربل سیمینار میں ہمدرد کے وائس چانسلر سید احتشام حسین و دیگر اسکالرز۔ مقصد پر روشنی ڈالی۔ اس موقع پر پروفیسر سید احتشام حسین، وائس چانسلر، جامعہ ہمدرد، نے ہربل مصنوعات سے متعلق تحقیق اور معیار کی بہتری پر زور دیا۔ سابق ڈائریکٹر آئی آئی ایم، جنوں نے سائنسدانوں، منصوبہ سازوں کے تحت کنٹرول، تشریح کرنے بھی اس تقریب کا اہم مقصد تھا۔ شعبہ ہمدرد پروفیسر دھواہری نے تمام اسکالرز کا خیر مقدم کیا۔ مہمان خصوصی، پروفیسر آر کے گوپل، وائس چانسلر، ڈی پی ایس آریو، نئی دہلی، نے اس سیمینار کے



● Stents have become cheaper because they are now under the NLEM. All other devices and disposables should also be brought under NLEM.

**IPA (Jharkhand State Branch) Conducts Seminar on Regulatory Affairs**

MESRA-RANCHI: Indian Pharmaceutical Association-Jharkhand State Branch (IPA-JSB) in collaboration with the Regulatory Affairs Division (RAD) of IPA and Department of Pharmaceutical Sciences & Technology (DPST), Birla Institute of Technology (BIT), Mesra-Ranchi, Jharkhand organized a seminar on “Contemporary Issues of Pharmaceutical Regulatory Affairs” on March 4, 2017 at BIT auditorium.

Dr B.N. Sinha, Secretary of IPA (JSB) gave the welcome address and highlighted the activities of the Branch. In his speech, Dr R.N. Gupta, Professor-DPST at BIT, Vice President of IPA (JSB), & Ex Vice-President of IPA urged the gathering to take IPA life-membership, highlighted IPA activities, discussed professional role of pharmacists and stressed upon students on the importance of studying regulatory affairs.

On the occasion, the resource persons who spoke on the main theme of the seminar were Dr Subhash Mandal, Chairman-RAD of IPA; and Dr Sujit Kumar, Council Member-RAD of IPA. While speaking on his topic “Current aspects in regulatory affairs”, Dr Subhash Mandal discussed Drugs and Cosmetics (D&C) Acts and Rules. He also covered job prospects of pharmacy graduates in regulatory affairs. On the other hand, Dr Sujit Kumar gave a talk on pitfalls in D&C Acts and Rules, side effects & reactions with use of cosmetics and recommendations for insertion in Rules.

Finally, mementos were presented to both speakers by Dr B.N. Sinha and then Ms Asiya Khan, Coordinator, IPA (Jharkhand Student Chapter) proposed vote of thanks to conclude the workshop. Around 140 participants from IPA, drugs control officials of Jharkhand State and pharmacy students & teachers of the region attended the one-day programme.

**IMA Calls for One Drug – One Company – One Price**

NEW DELHI: In a bid to question the decision that urges doctors to prescribe generic and cheaper drugs, Indian Medical Association (IMA) has called for ‘One drug – One company – One price’ policy. This call comes as part of the month-long intensive campaign being undertaken by the Association as a clarion call against the issues faced by the medical fraternity today.

Uniformity in pricing of medicines in India still remains a distant dream. The same company selling the same drug under different brand names and at different prices is even more inexplicable. Concerns have already been raised about the fact that a poor country like India has a weak drug price control mechanism. Speaking on the issue, Dr K.K. Aggarwal, National President-IMA; and Dr R.N. Tandon, Hon. Secretary General-IMA, in a joint statement, stated, “The Government allows the same salt to be sold by the same company at three different prices as generic-generic, generic-trade or generic-brand. There is a need to adopt a ‘one drug – one company – one price’ policy. It is not reasonable for the government to

grant a license to companies to sell drugs at different rates and then force doctors to choose only the cheaper drugs. It’s like giving licenses to open five star hotels, but simultaneously issuing an advisory to the public not to go to these hotels.”

Also, the IMA feels that the medicines cannot be up for free pricing as the decision to buy them is not determined by the consumer; but by doctors and, at times, the chemists. Commented Dr Aggarwal, “The need to buy medicines is immediate and involuntary, unlike other items. It is not fair for companies to increase prices to further increase their profit margins, while putting the health of many people at stake. Therefore, it is important for the government to have a control over the pricing of drugs.”

**Meet on Globalization of Herbal Drugs and Traditional Indian Medicines at Jamia Hamdard**

NEW DELHI: The third national seminar on “Current Regulations on Herbal Drugs and Food Supplements (HDFS) 2017” was organized by Department of Pharmacognosy & Phytochemistry, School of Pharmaceutical Education & Research (SPER), Jamia Hamdard, New Delhi in collaboration with the Society for New Age Herbs here on May 16, 2017. The seminar covered important aspects pertaining to herbal medicines and food supplements. It asserted that a good regulatory framework with stringent quality control is essential for development of quality products in herbal drugs and food supplements that can be promoted and used throughout the globe and for refurbishing public faith in herbal products. Around 700 participants comprising scientists from academia and various herbal drug & food supplement industries participated in the one-day seminar.

Prof (Ms) Vidhu Aeri, Head-Department of Pharmacognosy & Phytochemistry, SPER, Jamia Hamdard, gave the welcome address. The chief guest of the inaugural function, Prof Ramesh K. Goyal, Vice Chancellor (VC), Delhi Pharmaceutical Sciences & Research University (DPSRU), Delhi Institute of Pharmaceutical Sciences And Research (DIPSAR), New



Prof. S. Handa, Ex-Director, IIM, Jammu, giving the keynote speech on herbal drugs and food supplements at Jamia Hamdard. Dignitaries seated on the dais (from left) are: Prof Vidhu Aeri, Head-Pharmacognosy & Phytochemistry, SPER, Jamia Hamdard; chief guest Prof Ramesh K. Goyal, VC, DPSRU; Prof Seyed E. Hasnain, VC, Jamia Hamdard; Prof Nadeem Siddiqui, Dean-Pharmacy, SPER, Jamia Hamdard; Dr Arun Gupta, Co-ordinator, HDFS 2017; and Dr Sayeed Ahmad, Organizing Secretary, HDFS 2017.

**Periyar College of Pharmaceutical Sciences Celebrates World Health Day**

TRICHY: An invited guest lecture on the eve of World Health Day (celebrated on April 7th every year) was conducted by the Periyar Health Club of Periyar College of Pharmaceutical Sciences (PCPS), Tiruchirappalli, Tamil Nadu on April 28, 2017. The faculty and students of the College attended the programme.

Prof (Dr) R. Senthamarai, Principal of PCPS gave the welcome address. Dr A. Shanthi, Deputy Director of Medical Services, Trichy delivered an awareness lecture highlighting the importance of health. She enunciated that without proper health and fitness one cannot have physical, social and mental well-being. She also deliberated on this year’s World Health Day theme “Depression: Let’s talk” with a power-point presentation in a lucid manner. She proclaimed that depression was the leading cause of ill-health and disability worldwide. Yet, she stated, “Depression can be prevented and treated.” She further explained, “A better understanding of what depression is, and how it can be prevented and treated, will help reduce the stigma associated with the condition, and lead to more people seeking help.”



Prof R. Senthamarai delivering the welcome address on the occasion of World Health Day.

Other dignitaries who graced the occasion were Dr A.M. Ismail, Emeritus Professor, PCPS; Dr G. Krishnamoorthy, Vice Principal, PCPS; V. Chokkalingam, District Non-Medical Health Educator (Leprosy), Trichy; and Health Inspectors, P. Vijaya Guruvu & Zakir Hussain. Finally, the programme ended with vote of thanks proposed by Dr T. Shri Vijaya Kirubha, Secretary, Periyar Health Club.

**First Conference on Pharmacy Practice Organized by SGT College of Pharmacy**

GURGAON: A national conference on pharmacy practice on the theme “Responsible Use of Medicines” was organized by SGT College of Pharmacy, SGT University, Gurgaon, Haryana on April 22, 2017. The conference was sponsored by Science & Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India; and partially by the Indian Pharmacy Graduates’ Association (IPGA). The aims and objectives of the innovative programme was to understand the current status of pharmacy practice in India, enhance the clinical knowledge of pharmacists, educate pharmacists

Delhi, in his inaugural address, highlighted the importance of the main theme of the seminar. In his presidential remarks, Prof (Dr) Seyed Ehtesham Hasnain, VC of Jamia Hamdard, elucidated the necessity of putting medicinal herbs to rigorous scientific testing and developing standards so as to maintain quality for global competitiveness. In his keynote address, the renowned phytochemist, Prof S.S. Handa, Ex-Director, Indian Institute of Integrative Medicine (IIIM), Jammu, stressed upon the critical need to bring together scientists, industry people, policy makers and regulatory agencies to consider challenges & opportunities of the next decade and discussed new guidelines for food & phytopharmaceuticals. K.K. Sharma, Managing Director, Aimil Pharmaceuticals was the guest of honour. Dr Sayeed Ahmad, Assistant Professor, Department of Pharmacognosy & Phytochemistry, SPER, Jamia Hamdard and Organizing Secretary of Herbal Drugs & Food Supplements (HDFS) 2017, thanked the participants and acknowledged the support provided by the sponsors of the programme.

The technical session comprising of 12 plenary lectures had a balanced representation of industry, academics and government agencies. Some of the invited speakers who spoke on the main theme were: Dr J.L.N. Sastry, Head-Healthcare, Dabur India Ltd. spoke on ‘Necessity for correction of AYUSH drug regulations’; Dr N.B. Brindavanam, Advisor-DRDC, Dabur India Ltd. (Biodiversity Act, 2002, and its implications for biopharmaceutical sector); Dr Arun Gupta, Head-Clinical Research, Dabur India Ltd. (Clinical research on herbal medicines: Indian perspective); Dr Santosh Joshi, General Manager-Head (R&D), Hamdard Laboratories (Quality control of Unani herbal medicines in India); Prof S.K. Maulik, Professor-Pharmacology, All India Institute of Medical Sciences (AIIMS), New Delhi (Clinical trial of a herbal medicine in heart failure patients in a tertiary care hospital); Dr Khalid Khan, Managing Director, Fermish Clinical Technologies (Current regulations on modern herbal medicine in light of recent USFDA guidance for botanicals); Dr Aman Gupta, Amway (Current regulations on food supplements); Dr N. Srikanth, Deputy Director General (DDG), Central Council for Research in Ayurvedic Sciences (AYUSH) gave a talk on ‘Drug development & regulatory aspects in ASU system – Scope and challenges’; and Dr Neeraj Tandon, Scientist G-Head Medicinal Plants Division, Indian Council for Medical Research (ICMR) highlighted ‘Phytopharmaceuticals – A new regulation in India’.

Further, more than 240 scientific posters were presented by the participating delegates. Several dignitaries from India and abroad including Prof Hassan Khalid, Khartoum University, Sudan; and Dr Mohamed Alamin & Dr A.H. Mohamed, Licensing Authority of Herbal Drugs in Sudan attended the seminar. Finally, the valedictory function was addressed by Prof Rais-ur-Rahman, Advisor (Unani), AYUSH, to the Government of India; C.P. Khare, Founder President, Society for New Age Herbs, New Delhi; and Dr Arun Gupta, President Elect, Society for New Age Herbs & Coordinator of HDFS 2017.



**SEMINAR REPORT : HDFs - 2017**  
**Jamia Hamdard, New Delhi**

**THIRD NATIONAL SEMINAR ON "CURRENT REGULATIONS ON  
HERBAL DRUGS AND FOOD SUPPLEMENTS"**



**Inaugural function from left: Bushra Parveen, Dr. Sayeed Ahmad, Dr. Arun Gupta, Professor Nadeem Siddiqui, Professor Sayed E. Hasnain, Professor R.K. Goyal, Professor S.S. Handa and Professor Vidhu Aeri**



**Valedictory function from left: Dr. Sayeed Ahmad, Dr. Arun Gupta, Professor Raisur Rehman, Professor S.H. Ansari and Mr. C.P. Khare**

The NIRF Rank 1 Pharmacy institute of India (**School of Pharmaceutical Education and Research, Jamia Hamdard**) organized a National Seminar on Current Regulations for Herbal Drugs and Food Supplements in collaboration with the **Society for New Age Herbs**. The seminar covered important aspects pertaining to herbal medicines and food supplements. It asserted that a good regulatory framework with stringent quality control is essential for development of quality products in herbal drugs and food supplements that can be promoted and used throughout the globe and for refurbishing public faith in herbal products. More than 750 scientists from academia and various herbal drug and food supplement industries participated in the seminar.

Several dignitaries from India and abroad including Prof Hassan Khalid (Khartoum University, Sudan), and Dr. Mohamed Alamin and Dr. A. H. Mohamed (Licensing Authority of Herbal Drugs in Sudan) attended the seminar.

**INAUGURAL SESSION**

Professor Vidhu Aeri, Head of the Department of Pharmacognosy and Phytochemistry, welcomed the delegates, however Professor Nadeem Siddiqui introduced the gathering about seminar. The Chief Guest of the function, Professor Ramesh K. Goyal (Vice Chancellor, DPSRU, New Delhi) highlighted the importance of the theme, whereas Professor S. S. Handa, Eminent Pharmacognosist and Ex. Director of Indian Institute of Integrative Medicine, Jammu, in his Key Note speech stressed upon the critical need to bring together scientists, industry people, policymakers and regulatory agencies to consider challenges and opportunities of the next decade and discussed new guidelines for food and phytopharmaceuticals. In his presidential remarks, Professor Sayed Ehtesham Hasnain, Vice Chancellor, Jamia Hamdard, elucidated the necessity of putting medicinal herbs to rigorous scientific testing and developing standards so as to maintain quality for global competitiveness. Dr. Sayeed Ahmad, Organizing Secretary of the seminar, thanked the participants, valuable guests, invited speakers, chief guest (Professor R.K. Goyal), Key note speaker (Professor S. S. Handa) and acknowledged the support provided by Aimil, Hamdard, ICMR, Dabur, Rex Remedies, Fermish, Agilent, Dehlvi, Nature and Nature and Linna.

**TECHNICAL SESSIONS**

The technical session, comprising of 10 plenary lectures, had a balanced representation of industry, academics and the government agencies. Dr. J.L.N. Sastry (Dabur), Dr. Neeraj Tandon (ICMR), Professor S.K. Moullick (AIIMS), Dr. Khalid Khan (Fermish), Dr. Arun Gupta (Dabur), Dr. Santosh Joshi (Hamdard), Dr. N. Srikanth (CCRAS), Dr. N.B. Brindavanam (Dabur) and Dr. Aman Gupta (Amway) were the invited speakers.

**TECHNICAL SESSION I**

**Chaired by Professor Hasan Khalid (Professor University of Khartoum, Sudan), Professor R.K. Khar (Ex Professor Jamia Hamdard), Dr. Khalid Mehmood Siddiqui (Ex Deputy Director General, CCRUM)**

**Lecture 1: Necessity for the correction of AYUSH drug regulations**

**Dr. J.L.N. Sastry, Dabur India Ltd.**

Dr. Sastry highlighted important aspects of Drugs and Cosmetics Act which require revision from the AYUSH perspective. He also shared that the rules for AYUSH drugs under Drugs and Cosmetics Act does not contain any provision for collection of samples from physicians, thus makes the physicians immune from any penalty. He further highlighted that for effective enforcement of quality related regulations to the ASU drugs, there is urgent need to create a central drug testing laboratory for AYUSH medicines.

The schedules of the regulations need urgent revision since, the therapeutic index of many companies have become the schedule. There is also need to revise the list of books mentioned in the schedule. To ensure the quality of drugs, Good Agricultural Cultivation Practices should also be covered in the regulation.

**Lecture 2: Quality Control of Unani herbal medicines in India**

**Dr. Santosh Joshi, Hamdard Laboratories**

Highlighted the quality challenges related to botanical raw materials like crop-to-crop variation due to natural challenges and processing conditions. Mixing of various grades of raw material, e.g. incase of saffron also leads to quality issues in the final formulation.

**Labelling issue:** Preservatives are not mentioned on the label of herbal extracts which leads to quality issues, e.g. detention of the consignment in the export country ports due to presence of starch (preservative, not mentioned on the label). Another issue is substitution in the formula due to non availability of a particular medicinal plant and incorrect and unsystematic storage of raw materials.



## TECHNICAL SESSION 3

Chaired by Dr. Gyan Singh (Ex. Editor, NISCAIR), Professor Mohd Husain (HOD, Biotechnology, Jamia Millia Islamia), Dr. Kshipra Mishra (Additional Director, DIPAS, DRDO)

### Lecture 7: Phytopharmaceuticals : A new regulation in India

Dr. Neeraj Tandon, Indian Council for Medical Research.

Dr. Tandon informed that as per USFDA data, there are more than 50,000 ADRs due to botanicals and herbal drugs. CDSCO has issued phytopharmaceutical guidelines in 2013. Now a new appendix has been added in the schedule Y (Appendix 1B) outlining the process for new drug application of phytopharmaceuticals. As per this guideline, a comprehensive procedure for drug development research has been defined on the phytopharmaceuticals (mainly for, but not limited, to single herb products) in line with drug development process of pharmaceuticals including quality, safety, efficacy and drug interaction studies. The products approved under the new appendix, though being herbal products, can be prescribed by the practitioners of modern system of medicine.

### Lecture 8: Current regulations on modern herbal medicine

Dr. Khalid Khan, Fermish Clinical Technologies

Dr. Khan outlined the regulations for herbal medicines in light of recent USFDA guidance for botanicals.

### Lecture 9: Clinical research on herbal medicines: Indian perspective

Dr. Arun Gupta, Dabur India Ltd.

Dr. Gupta presented the aspects of clinical trial on herbal medicines with special reference to AYUSH systems. He highlighted the challenges and solutions for conduct of clinical trials from the point of view of blinding, control, randomization etc. He also outlined the details of regulatory aspects including registration of clinical trials and audio visual recording of informed consent.

### Valedictory session

The valedictory function was addressed by Professor Raisur Rahman (Advisor, Unani AYUSH), Mr. C.P. Khare was guest of Honour. Dr. Arun Gupta (Co-ordinator) and President Society for New Age Herbs concluded the seminar after felicitation to sponsors and awardees of best paper by Dr. Sayeed Ahmad (Organizing Secretary).

## GC-MS Metabolomics Workshop on 17<sup>th</sup> May 2017



## Lecture 3: Biodiversity Act, 2002 and its implications for biopharmaceutical sector

Dr. N. B. Brindavanam, Dabur India Ltd.

The speaker discussed the implications of Biodiversity Act, 2002 from the perspective of recognition of sovereign rights on the biological resources including for the purpose of commercial gains. The act is based on three pillars of "Conservation, Sustainable Use and Commercial use with equitable sharing."

As per the Act, it is obligatory to seek prior approval from National Biodiversity Authority for access Bioresource/traditional knowledge for all activities centered around commercial use. The benefit sharing (monetary and non-monetary) mechanism (GS R-827) has also been defined in the act with Bioresource Management Committee, State Biodiversity Board and National Biodiversity Authority including free access for purely local use.

Impact: The Biodiversity Act, 2002 has no impact on research. The patent application may also be filed without hinderance, however, the benefit sharing process must be agreed upon before filing patent. However, it should be kept in mind that the National Biodiversity Authority keeps ecological health above human health.

## TECHNICAL SESSION 2

Chaired by Professor S.K. Gouswami (Dean and Professor School of Life Sciences, J.N.U.), Professor Mohd Ali (Ex. Professor Jamia Hamdard), Dr T.K. Mulherjee (Ex. Editor, IJEB, NISCAIR)

### Lecture 4: Clinical trial of a herbal medicine in heart failure patients in a tertiary care hospital

Professor S. K. Maulik, All India Institute of Medical Sciences

Professor Maulik presented the preclinical and clinical research work on use of Arjuna bark aqueous extract in heart failure. He concluded that though, encouraging results were obtained in preclinical studies, the extract did not show any benefit as an add on therapy to the baseline treatment with modern drugs. He also reported that Arjuna bark did not show any interaction with commonly used cardiovascular medicines like diuretics and digoxin, etc. Further, the extract was found to have no effect on CYP2D6 enzyme (metabolises ACE inhibitors and Beta blockers).

However, studies need to be carried out on the effect of Arjuna bark extract *per se* treatment in heart failure patients. It is noteworthy to mention that despite Arjuna bark being used as an aqueous extract in Unani system of medicine, ICMR considered it as a new drug (and not AYUSH drug) and asked for conduct of preclinical toxicity studies.

### Lecture 5: Current Regulation on Food Supplements

Dr. Aman Gupta, Anway

Dr. Aman Gupta deliberated upon the Food Standards and Safety Regulation, 2016. He highlighted the issue of overlapping definitions of various drug and food agencies in India. He informed that the approval guidelines are for non-specific foods and food ingredients. For the formulation containing combination of approved products requires further approval.

### Lecture 6: Drug Development and Regulatory aspects in ASU system: Scope and Challenges

Dr. S. Srikanth, Central Council for Research in Ayurvedic Sciences

Discussed the issues of overlapping regulations on food supplements, ethical doses of herbal extracts and drug interaction studies. He outlined that the drug interaction studies being carried out by CCRAS are indicative studies and do not provide absolute guarantee of no interaction with any drug.

He also discussed that the clinical trials esp. the add on trial are challenged by the demarcations of the medical systems, in case more than one medical system is involved. He also informed that the new guidelines on research on ASU drugs are currently in draft state and opinions are being sought.





GCMS workshop was attended by more than 65 delegates from Jamia Hamdard and outside members, which was sponsored by Agilent Technologies.

The first Lecture was on Basics of GCMS by Indrajit Sen (Agilent technologies) followed by second Lecture on LC-QTOF Mass-spectrometer: A workhorse for metabolomics applications by Saurabh Nagpal (Agilent technologies). Further, Demo on GCMS analysis of metabolites by Indrajit Sen & Saurabh Nagpal (Agilent technologies) in Bioactive Natural Product Laboratory.

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