

**MINUTE TO MINUTE PROGRAM FOR THE NATIONAL CONFERENCE**

<b>PROGRAM</b>	<b>DETAIL</b>	<b>TIME</b>
<b>15 SEPTEMBER 2017: FRIDAY, 1<sup>ST</sup> DAY</b>		
BREAKFAST		8.00 AM – 9.00 AM
REGISTRATION		8.00 AM- 9.45 AM
INAUGURATION		9.45 AM- 11.30 AM
SCIENTIFIC SESSION-1. <b>KEYNOTE / INVITED LECTURES ON THEME- AYURVEDIC HERBAL MEDICINE - TRADITIONAL AND MODERN CONCEPTS</b>		11.30 AM- 2.00 PM
<b>LUNCH BREAK</b>		<b>2.00 PM-2.30 PM</b>
<b>ORAL AND POSTER (PARALLEL SESSION) PRESENTATIONS ON THE THEME- AYURVEDIC HERBAL MEDICINE - TRADITIONAL AND MODERN CONCEPTS</b>		2.30 PM- 4.15 PM
<b>TEA BREAK</b>		<b>4.15 PM-4.30 PM</b>
SCIENTIFIC SESSION-2. <b>KEYNOTE / INVITED LECTURES ON IDENTIFICATION AND USE OF MEDICINAL HERBS</b>		4.30 PM-5.15 PM
<b>ORAL AND POSTER (PARALLEL SESSION) PRESENTATIONS ON THEME- IDENTIFICATION AND USE OF MEDICINAL HERBS</b>		5.15 PM- 6.15 PM.
LOCAL SITE VISIT (OPTIONAL)/ CULTURAL EVE		6.30 PM-9.00 PM
<b>DINNER</b>		<b>9.00 PM-10.00 PM</b>
<b>16 SEPTEMBER 2017: SATURDAY, 2<sup>ND</sup> DAY</b>		
<b>BREAKFAST</b>		<b>8.00 AM-9.00 AM</b>
SCIENTIFIC SESSION-3. <b>KEYNOTE / INVITED LECTURES ON THEME- ISOLATION AND CHARACTERISATION OF BIOACTIVE MARKERS FROM AYURVEDIC HERBS</b>		9.00 AM- 10.00 AM
<b>ORAL AND POSTER (PARALLEL SESSION) PRESENTATIONS ON THEME OF ISOLATION AND CHARACTERISATION OF BIOACTIVE MARKERS FROM AYURVEDIC HERBS.</b>		10.00 AM- 10.45 AM
SCIENTIFIC SESSION-4. <b>KEYNOTE / INVITED LECTURE ON THEME SCALING UP, CULTIVATION OF MEDICINAL HERBS BY MODERN TECHNIQUES</b>		10.45 AM-12.00 PM
<b>TEA BREAK</b>		<b>12.00 PM-12.15 PM</b>
<b>ORAL AND POSTER (PARALLEL SESSION) PRESENTATIONS ON THEME- ISOLATION AND CHARACTERISATION OF BIOACTIVE MARKERS FROM AYURVEDIC HERBS.</b>		12.15 PM- 2.00 PM
<b>LUNCH BREAK</b>		<b>2.00 PM-2.30 PM</b>
SCIENTIFIC SESSION. 5- <b>KEYNOTE / INVITED LECTURE ON THE THEME OF EVIDENCE-BASED PHARMACOLOGY / MODE OF ACTION OF AYURVEDIC DRUGS.</b>		2.30 PM-3.30 PM
<b>ORAL AND POSTER (PARALLEL SESSION) PRESENTATION ON THEME- EVIDENCE-BASED PHARMACOLOGY / MODE OF ACTION OF AYURVEDIC DRUGS.</b>		3.30 PM-4.45 PM
<b>TEA BREAK</b>		<b>4.45 PM-5.00 PM</b>
<b>VALEDICTORY FUNCTION</b>		<b>5.00 PM-6.30 PM</b>

## **KEYNOTE/ INVITED SPEAKERS**

### **Theme 1. Ayurvedic herbal medicine - Traditional and Modern concepts**

<b>Topic</b>	<b>Speaker</b>
Medicinal plants of India: Status and opportunities and NMPB initiatives	Padmapriya Balakrishnan
Evidence based validation of Ayurvedic medicine - From field to bedside	Pulok K. Mukherjee
Drug research methodology in Ayurveda must be as per modern medicine	Mayaram Uniyal
Biodiversity protection strategies of traditional medicinal plants	H. S. Chawla
Recommendations for the efficacy of herbal medicines	D. C. Singh
Does Ayurveda need evidence?	Sanjeev Kumar Ojha
<i>e-Charak</i> – An online portal to trade medicinal plants	Lalit Tiwari

### **Theme 2. Identification and use of medicinal herbs**

<b>Topic</b>	<b>Speaker</b>
Modern tools and techniques for identification of medicinal plants used in Ayurveda	Anil Kumar Singh
Mode of drug action in Ayurveda and Pharmacology	Lalitha
Pharmacognostical evaluation of flora for drug preparation from ancient to present era	Suresh Chaubey
Natural antioxidants: Novel trend in food application and nutraceuticals	Debabrata Acharya

### **Theme 3. Isolation and characterisation of bioactive markers from Ayurvedic herbs**

<b>Topic</b>	<b>Speaker</b>
From traditional Ayurvedic medicine to modern medicine: Polyphenolic compounds for suppression of cancer and other allied diseases	Partha Roy
Scientific validation of traditional Ayurvedic and Homeopathic formulation using metabolomics technique	Debabrata Sircar
Plant tissue cultures as sources of bioactive compound production in important medicinal plants	Pandian Arjun
Chlorophyll derivatives as a better agent for cancer treatment via photodynamic therapy	M. P. Dobhal
New era of herbal therapy	Randhir Singh Dahiya

### **Theme 4. Scaling up, cultivation of medicinal herbs by Modern Techniques**

<b>Topic</b>	<b>Speaker</b>
Status of conservation and cultivation of high altitude medicinal herbs in Uttarakhand Himalaya	M. C. Nautiyal
Aromatic sector of Uttarakhand : An overview	Nirpendra Chauhan
Potential of development of medicinal plants in high altitude of Uttarakhand Himalaya	Vijay Prasad Bhatt
Medicinal plants trade - Uttarakhand scenario	M. S. Gusain
Sustainable harvesting of medicinal trees: Prospective approach to augment conservation and economic benefits	A. K. Pandey

## Theme 5. Evidence-based Pharmacology / Mode of action of Ayurvedic drugs

Topic	Speaker
Insecticidal and fungicidal activities of stem bark of <i>Prunus persica</i> (L.) Batsch	P. P. Badoni
Development of novel transdermal patch of herbal medicine for anti-atherosclerotic activity	Nakuleshwar Dut Jasuja
Pharmacovigilance in Ayurvedic Pharmacy	Kumud Upadhyaya
<i>In vitro</i> and <i>in vivo</i> thrombolytic activities of <i>Andrographis paniculata</i> and <i>Arbutus unedo</i>	Anil Shukla
Antimicrobial potential of wild and micropropagated <i>Meizotropis pellita</i> - An endemic and endangered plant of Kumaun Himalayas	Tapan Kumar Nailwal

### ORAL PRESENTATIONS

#### Theme 1. Ayurvedic herbal medicine - Traditional and Modern concepts

Title	Presenter(s)
Ethno-pharmacognosy: An approach to validate Ayurvedic medicinal plants through modern aspects	Aparna Dixit, V. K. Joshi
Role of Ayurvedic treatments for diabetes mellitus	Preeti Sharma
Antioxidant potential of smoke of Agnihotra Yagya - Some practical experiences	Ruchi Singh, R. K. Dutta, A. N. Garg
An evidence based ethnomedicinal study of undocumented medicinal plants of Uttarakhand region	Shalini Varshney
Nirgundi ( <i>Vitex negundo</i> L.) - An useful Ayurvedic medicinal plant	Deep Chandra Pandey
Clinical study of garlic preparations	Kavita Vyas
A clinical study of Trikatu with Kumari w.s.r. to dyslipidemia	Bhavna Singh, S. D. Upadhyay
Mustadi kwatha: Its Guna-Karma and role in Sthoulya (obesity)	Shailendra Pradhan
Role of Saptachakra ( <i>Salacia reticulata</i> wight.) in the management of madhumeha (type 2 diabetes mellitus)	Neelam and M. L. Jaiswal
Diverse biological properties of Ashwagandha ( <i>Withania somnifera</i> (L.) Dunal)	Ravindra Semwal, Sonali Dimri
Comparative Study of Ashodhita and Shodhita Haridra with Respect to Their Inhibitory Properties Against $\alpha$ -Amylase and $\alpha$ -Glycosidase	Anuj Kumar, Jayanta Kumar Maji, Prashant Bedarkar, CR Harisha, MB Nariya
Clinical efficacy of Bodhi Vriksha kashaya in the management of hyperuricemia	Yogesh Singh Kushawaha, Alok Kumar Srivastava
Clinical evaluation of haematinic property of certain indigenous drug in iron deficiency anemia	Swapnil Singhai, Jaya Kala Saklani

#### Theme 2. Identification and use of medicinal herbs

Title	Presenter(s)
Identification of biomolecules contained in <i>Asparagus racemosus</i> Willd. root tubers using modern techniques	Anurag Mishra, Kamal Nayan Dwivedi
Standard protocols in the manufacture of natural health products-Herbal Medicines	Himmat Singh
Biodiversity of medicinal plants of Uttarkashi district and	M. P. S. Parmar, Richa

their conservation for disease protection  
Identification and procurement of genuine herbs in herbal industry- Challenges and solutions  
Survey of some important medicinal herbs of Sahastradhara, Dehradun  
X-ray diffraction analysis of a traditional biomedicine - Godanti Bhasma  
Survey of medicinal plants of Pithoragarh District

Badhani  
Neha Pundir, Naveen Upadhyay  
Reena Verma  
  
Vivek Thakur, Khemchand Sharma  
Vandna Krishna

### **Theme 3. Isolation and characterisation of bioactive markers from Ayurvedic herbs**

#### **Title**

Evaluation of nutraceutical properties of selected wild edible crops of Garhwal Himalaya  
Thin Layer Chromatographic study of certain genuine medicinal plant and their market samples  
Standardization of medicinal plants for therapeutic purpose  
  
Shatavari (*Asparagus racemosus* Willd.) – A steroidal-rich Ayurvedic medicinal plant

#### **Presenter(s)**

Subhash Chandra, Sarla Saklani  
Rahul Kumar Singh, Amrita Singh, A. Ramamurthy  
Rashmi Bhaskar, Parul Sharma, Ved Bhushan Sharma  
Ruchi B. Semwal and D. K. Semwal

### **Theme 4. Scaling up, cultivation of medicinal herbs by Modern Techniques**

#### **Title**

Cultivation of medicinal herbs by tissue culture techniques  
  
Synergistic role of rhizospheric endomycorrhizae in accumulation of some phytochemicals in *Abroma augusta* L.: An endangered medicinal plant species of Brahmaputra valley in Assam  
Need to conserve *Swertia speciosa* Wall D. Don : An alternate source of xanthone and amaroswerin compounds  
Effect of various planting geometries and weed control measures on herbage yield and quality of Kalmegh [*Andrographis paniculata* (Burm F.) Wall Nees]  
Fungal diseases of medicinal plants and their biological management

#### **Presenter(s)**

K. L. Sharma, Rahul Kumar Gupta  
Vipin Parkash, Akshita Gaur, S. C. Biswas  
  
Rajeev Ranjan Kumar , P. Prasad, V. K. Purohit  
M. P. Semwal, Sunita T. Pandey, V. Pratap Singh, Tanumay Mondal  
Shailesh Pandey, Amit Pandey, Ranjana Juwantha

### **Theme 5. Evidence-based Pharmacology / Mode of action of Ayurvedic drugs**

#### **Title**

Antidepressant activity of *Nyctanthes arbor-tristis* flower extract on rat models of depression  
Dose related antihyperglycemic activity of Amalaki Rasayana in Swiss albino mice  
  
Study on leaf spot disease of *Aloe vera* (L.) Burm. - Management strategy and antifungal activity of its gel  
Clinical trial for the efficacy of *Carica papaya* leaf extract on platelet count  
Cytotoxic Effect of Ayurvedic biopesticides of faba beans

#### **Presenter(s)**

Archana N. Sah, Naina Joshi  
  
P. B. Bedarkar, N. Ranpara, M. B. Nariya, P. K. Prajapati, B. J. Patgir  
Akshita Gaur, N.S.K. Harsh, Vipin Parkash  
Navin Chandra Suman, D. K. Semwal, Ashutosh Chauhan  
Naina Srivastava, Archana Srivastava

A Comprehensive study of Vatankur (*Ficus bengalensis* L.) as Varnya Dravya w.s.r. to Vyanga Studies on chemical composition and antibacterial activity of essential oil of *Ocimum gratissimum* L.  
 Pulmonary inhalation of medicinal smokes– An aspect of Yagya therapy: An effective therapeutic application and efficient drug delivery model of multiple herbs  
 Ameliorative effect of hempseed (*Cannabis sativa*) against experimentally induced hypercholesterolemia  
*Urtica pulcherrima* mitigated hepatotoxicity in alcohol induced liver damage model of rats : A study with specific biomarkers

Kush Pandey, Aditi

A. M. Painuly, J. S. Jangwan, V. P. Joshi, R. P. Chamoli  
 Viralkumar Patel, Alka Mishra, Vandana Shrivastav

Naveen Kaushal, Shallu Dhadwal  
 Ila Shukla, Lubna Azmi, Padam Kant, S. K. Ojha, Ch. V. Rao

## POSTER PRESENTATIONS

### Theme 1. Ayurvedic herbal medicine - Traditional and Modern concepts

**Title**

A conceptual study of emetic drug Madanphala in reference to its different formulations

Traditional and modern concept of tulsi in various disorders

The uses, formulations and compounds of Triphala with different indications

Role of herbs in Rasashastra

Therapeutic applications of Yagya (with different herbal combinations) for various diseases

Evaluation of efficacy of Erand Tail in the management of rheumatoid arthritis

Recent advances in Ayurvedic herbal medicines

Prevention of premature ageing through Ayurveda

Jatyadi oil – An analytical study

Role of Ayurvedic herbal medicine in obesity management

Haritaki – A boon to life style disorder

Pragya Peya - A combination of selected herbal medicines used as a healthy alternative to tea/coffee

Traditional and modern concept of Manjistha in various diseases

A comparative clinical study of Pushkarmooladi churna with Anupana bheda in the management of Tamak Shvasa with special reference to bronchial asthma

**Presenter(s)**

Maheshwar, Uttam Kumar Sharma

Abhishek Saxena, Pushpa Rawat

Suneeta Singh, Uttam Kumar Sharma

Ashish Kumar Tripathi, Sushma Rawat

Alka Mishra, Vandana Shrivastav

Bhupinder Singh, Bhavna Singh

Darshana, Amitabh

Preeti Rathee, Sujata Rajan

Neelam Sajwan

Deepika Sethi, Sujata Rajan

Savita Sonkar

Vandana Shrivastav, Alka Mishra

Naincy Barthwal, Vijay

Mohan Gupta

Pooja Khurana

### Theme 2. Identification and use of medicinal herbs

**Title**

FTIR: Technique for characterisation of bioactive markers from plants extracts

Identification and cultivation of medicinal plants mentioned in Ayurvedic classics

Identification, classification and different formulations of Trivrita (*Operculina turpethum*) for virechana karma

**Presenter(s)**

Sarvesh Kumar Bharati, Anil Kumar Singh

Hari Mohan Chahal, Gaurav Gaur

Rashmi Joshi, Mayank

Bhatkoti

Identification of Ayurvedic medicinal herbs	Prabhjot Kaur Randhawa, Gaurav Gaur
A survey of lesser known medicinal plant species of Kotdwara region of Uttarakhand	Ambika, Anjali Budakoti, Nidhi Gupta, Yashaswi Singh, Rakeesh Kumar Dwivedi Ajay Pratap Chauhan
An ethnobotanical survey of medicinal plant in Gangotri Valley (Uttarakhand)	
Traditional knowledge on healthcare practices by the indigenous people of Tripura, North-East India	Promod Debbarma, Mohanlal Jaiswal
Mapping and application of geographical information system to study algal biodiversity of Dehradun District, Uttarakhand	Abhijeet D. Kadam, Garima Kishore, Kusum Arunachalam
A Healing plate from sacred lotus: Biopackaging application of <i>Nelumbo nucifera</i> leaves	Vedika Kayasth, Kshitiz Gupta, Rahul Shrivastava
Medicinal and economic potential of seabuckthorn - A wonder plant	Nivedita Malik, B. S. Bhandari
Recent advancements in identification of herbal medicines with safety challenges	Manisha Dikshit, Lincon Kumar Sethi
Uttarakhand: Phenomenal source of anticancerous herbs	Kiran Vashisht, V. K. Joshi
Anukta dravya found in Uttarakhand	D. C. Singh, Kiran Vashisht
Study on some members of Lamiaceae Family of New Tehri Town	Shalini Rawat

### **Theme 3. Isolation and characterisation of bioactive markers from Ayurvedic herbs**

<b>Title</b>	<b>Presenter(s)</b>
Different application of <i>Panchatikta</i> compound in form of various formulations	Bhanu Priya Kaushik, Pravesh Kumar
Evaluation of trace element contents in <i>Berberis aristata</i> DC roots	Ankita Sati, Sushil Chandra Sati, Prateek Harbola, O.P. Sati
Evaluation of antioxidant potential and chemical composition of <i>Caryopteris odorata</i> (D. Don) Robin	Archana Joshi, Om Prakash, Ravendra Kumar, A.K. Pant
Phytochemical analysis with antioxidant potential and major constituent $\beta$ -Asarone from <i>Acorus calamus</i> L.	Pinky Chaubey, Archana, Om Prakash, A. K. Pant
Scientific validation of traditional Ayurvedic and homeopathic formulation using metabolomics techniques	Varsha Tomar, Komal Kushwaha, Debabrata Sircar

### **Theme 4. Scaling up, cultivation of medicinal herbs by Modern Techniques**

<b>Title</b>	<b>Presenter(s)</b>
Impact of different irrigation regimes on growth, yield and active constituents of <i>Picrorhiza kurroa</i> under cultivated conditions at mid-altitudes	Dharam Chand, M. C. Nautiyal, B. P. Nautiyal
Cultivation of medicinal plants	Gaurav Gaur, Prabhjot Kaur
Need for conservation of a valuable Himalayan medicinal plant species, <i>Trillium govanianum</i>	Vaishali Chandola, A. R. Nautiyal
Assaying the effect of pre-sowing treatments on seed germination of <i>Jurinea macrocephala</i> Royle (C.B Clarke)	Sandeep Singh Charak, Pratti Prasad
Effect of different concentrations of plant growth regulators (PGRs) on growth of top edge cuttings of <i>Nardostachys grandiflora</i> DC.	Pradeep Dobhal, V. K. Purohit, M. C. Nautiyal

Effect of integrated nutrients on growth and yield of *Paris polyphylla* Smith under cultivated conditions

Jyoti Sati, M. C. Nautiyal

Identification and traditional uses of some common exotic cultivated medicinal and aromatic plants in Tarai belt of Uttarakhand, India

Sumita Rana, Sandhya Rani,  
Kumkum Pandey

Effect of pre-sowing treatments on enhancement in germination of aconite seeds

Sudeep Chandra, M. C.  
Nautiyal

Antimicrobial potential of wild and micropropagated *Meizotropis Pellita* - An endemic and endangered plant of Kumaun Himalayas

Chitrakshi Pant, Manoj  
Kumar Singh, Pravesh  
Mishra, Ruchika Sharma,  
Tapan Kumar Nailwal  
Suman Mishra

Potency of medicinal plant can be increased by planting according to Nakshatra

### Theme 5. Evidence-based Pharmacology / Mode of action of Ayurvedic drugs

#### Title

Evaluate the salutary action of Varuna (*Crataeva nurvala*)

#### Presenter(s)

Priyanka Gautam, Anil Kumar  
Singh

Screening of herbal plant for their antibacterial (*in vitro*) activity associated with various dental problems

Savita Petwal, Kaushalya  
Dangwal

*Lawsonia inermis*: A greener way of silver nanoparticle synthesis

Shristi Baxi, Deeptikant  
Acharya

Antifungal activity of synthesized ZnO nanoparticles using aqueous leaves extract of *Geranium nepalense* Sweet

Goutam Kumar, P. P. Badoni

Screening of antimicrobial potential of *Erythrina indica* Lam. leaves against ear pathogens

Aparna Kaushal, Navneet

Mechanism of drug action in Ayurveda

Rashmi Yadav, K. N.  
Dwivedi

Differences in antioxidant potential of *Hippophe salicifolia* D. Don leaves extracts of male and female plants

Vijay Laxmi Trivedi, Mohan  
Chandra Nautiyal

*In vitro* antimicrobial evaluation of *Pongamia pinnata* extracts against pathogens causing scalp infection

Minakshi Rajput, Navneet

Mode of action of Lekhaniya Mahakashaya dravyas w.s.r. to obesity

Preeti Sharma, Bhavna Singh

Anti-inflammatory effects of *Ginkgo biloba* extract against trimethyltin induced hippocampal neuronal injury

Bimla Nehru, Sukhwinder  
Kaur and Neha Sharma

#### Important Notes:

1. Only registered participants will be allowed to present the paper (poster/oral). Make sure that all the participants are registered for the conference.

2. Time for presentation will be given as per following details

Keynote/ Invited lecture	15 Min (12 Min presentation + 3 Min discussion)
Oral presentation	07 Min (05 Min presentation + 2 Min discussion)
Poster presentation	07 Min (05 Min presentation + 2 Min discussion)

3. Preparation of PowerPoint presentation for oral presentation: Maximum number of slides should be 10 focusing mainly on methodology, results and conclusion; do not focus on the Introduction/ Background part of the topic.

4. Preparation of Poster for presentation: Poster should be printed in flex of 3 (width) x 5 (height) foot in size, to be scientific, simple, brief and self-explanatory. An appropriate font size is to be selected for easy read. It is better to use more graphics i.e. figures and tables rather than text for easy understanding of subject.