



# National Seminar on

## Medicinal Plants-Bio prospecting, Agrotechniques, and Enhancement of Secondary Metabolites

13-14<sup>th</sup> February, 2014

And

### One day workshop on

### Medicinal Plants Buyer-Seller Meet

15<sup>th</sup> February, 2014



## Organized by,

## Department of Botany

## University of Pune, Pune 411007

First Circular

**Dr. S.S. Bhargava**  
Professor and Head

**Dr. S.S. Deokule**  
Professor  
Convener

**Dr. T.D. Nikam**  
Professor  
Organizing Secretary

Category	Registration Fee for Seminar (Rs)*	Registration Fee for Workshop (Rs)*
Industry	3000	2000
Faculty	2000	500
Research Student	1500	500
Farmer	1000	-
D.D. details	DD to be drawn only from nationalized bank in the name of "Registrar, University of Pune"	

\*Fee does not include accommodation charges

Submission of Abstracts along with registration	5 <sup>th</sup> February, 2014
Abstract format	Times New Roman, 12 Font Size, 200 Words
Poster Format	1.0*0.75 meter

**Address for Abstract submission and all other correspondence:**

**10tdnikam@gmail.com / tdnikam10@yahoo.com**

University of Pune, Pune

National seminar on

**Medicinal Plants – Bioprospecting, Agrotechnique, and Enhancement of**

**Secondary Metabolites**

13-14<sup>th</sup> February, 2014

&

One day workshop on

**Medicinal Plants Buyer – Seller Meet**

15<sup>th</sup> February, 2014

Organized by,

Department of Botany  
University of Pune  
Pune-411007

Patron – Hon. Vice Chancellor Prof. (Dr.) W. N. Gade  
Head of the Department – Dr. S.S. Bhargava, Professor  
Convener – Dr. S.S. Deokule, Professor  
Organizing Secretary – Dr. T.D. Nikam, Professor  
Treasurer – Dr. D. N. Mokate, Assistant Professor

Dear Sir/Madam,

The Department of Botany, University of Pune, welcomes you with immense pleasure for the National conference on “**Medicinal Plants – Bioprospecting, Agrotechniques, and Enhancement of Secondary Metabolites**” to be held on 13<sup>th</sup> & 14<sup>th</sup> February, 2014 and for a One day workshop on “**Medicinal Plants-Buyer-Seller Meet**” to be held on 15<sup>th</sup> February, 2014.

Plants are a major source of innovative therapeutic agents for various diseases, disorders and immune – modulation. On the other hand, constantly changing genotypes of disease causing organisms, development of drug resistance in pathogens, change in climate and worldwide transportation of commodities are increasing the threat of human diseases. For certain diseases there is no effective drug available till date. In recent years, medicinal plant research demands a strong convergence of scientific expertise, change in mind set and expansion of trade in national and international markets. This necessitates implementation of new approaches in research on bioprospecting, agrotechniques, tissue and cell culture, genetic transformation, use of elicitors and precursors and *in vitro* chemical transformation for enhancing production of secondary metabolites. This conference will provide a platform for exchange of ideas, discussions and for exploring new paths for improvement of production of secondary metabolites for herbal drug preparations. The following themes have been identified.

### **THEMES**

1. Bioprospecting and conservation of medicinal and aromatic plants.
2. Agro techniques, processing, value addition and marketing of medicinal and aromatic plants.
3. Biotechnology, genetic transformation and metabolomics of medicinal plants.
4. Strategies for *in vivo* and *in vitro* enhancement of secondary metabolites.

We invite abstracts (200 words) pertaining to the themes mentioned above. Participants whose abstracts are accepted will have to present the research work in the form of a poster.

## **REGISTRATION FORM**

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**National seminar on  
“Medicinal Plants – Bioprospecting, Agrotechniques, and Enhancement of  
Secondary Metabolites”  
(13<sup>th</sup>-14<sup>th</sup> February, 2014)**

**And**

**One day workshop on “Medicinal Plants: Buyer-Seller meet”  
(15<sup>th</sup> February, 2014)**

**Department of Botany, University of Pune, Ganeshkhind, Pune – 411007**

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_ **Department:** \_\_\_\_\_

**Name of Institute/University/College/N.G.O. etc:** \_\_\_\_\_

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

**Presenting Paper: (Yes / No)**

**Title of Paper:** \_\_\_\_\_

\_\_\_\_\_

**Mobile No.:** \_\_\_\_\_ **e-mail:** \_\_\_\_\_

**Details of D.D.: [In Favor of Registrar, University of Pune]**

**Amount:** \_\_\_\_\_ **D.D. No.:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **Drawn on:** \_\_\_\_\_

\_\_\_\_\_ is enclosed.

**Date:**

**Signature of Participant/(s)**

If required, on request in advance, accommodation will be provided in Guest House/ Hotels. Separate charges for accommodation have to be paid by the participant as per the place of accommodation.

**Send the Registration form and D.D. on following address: Prof. T.D. Nikam, Department**

**of Botany, University of Pune, Pune-411007 and through the mail on**

**10tdnikam@gmail.com / tdnikam10@yahoo.com**

## ABOUT DEPARTMENT OF BOTANY



The Department of Botany, established in 1952, is one of the leading Departments in India in the field of teaching and research of plant sciences. Keeping pace with the changing scenario, the Department has initiated teaching and research in 8 different specialized areas of Botany. The Department has succeeded in obtaining major resources from various funding agencies like UGC, DBT, DST, CSIR, MoEF, BRNS, ISRO, etc. Based on its exemplary performance, the Department is recognized by UGC for its SAP program. It also has the DST-FIST, ASIST DST-PURSE and UPE funding. Under SAP DRS III the research in the Department is focused on the enhancement of secondary metabolites in medicinal plants. The Botanical garden of the Department has unique identity with the collection of over 550 species of 315 genera from 85 families which includes 22 species of Palms, 32 rare ferns, and 14 gymnosperms and 150 species of medicinal plants.

## ABOUT PUNE CITY



PUNE is the seventh largest metropolis in India, the second largest in the state of Maharashtra after Mumbai. Pune is the cultural capital of Maharashtra. Today, Pune is known for its educational facilities and relative prosperity. It has a growing industrial hinterland, with information technology and automotive companies setting up factories in the district. Pune has a tropical wet and dry climate with average day-night temperatures ranging between 28 °C – 10°C in the month of January.