



## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to Kakathiya University, Wgl )

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

### CIRCULAR

Date: 26.11.2018

It is to inform to all the students of B. Pharmacy and Pharm D all years that, a certificate program on “**Extraction, Fractionation and screening of *Strychnos potatorum* seeds.**” is scheduled from **30<sup>th</sup> November to 17<sup>th</sup> December 2018**. In this regard all the students are informed to attend the session without fail. A certificate will be given to all the students who complete the course.



**PRINCIPAL**

Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

**PRINCIPAL**

**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)



## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to Kakathiya University, Wg )

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

### ABOUT PROGRAM:

**Type of Course:** Certificate Course  
**Title of the Course:** Extraction, Fractionation and Screening of *Strychnos potatorum* seed powder  
**Duration of the Course:** 15 DAYS  
**Timings:** 4PM – 6PM  
**Dates:** 30<sup>th</sup> November to 17<sup>th</sup> December 2018

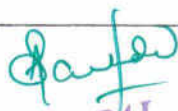
### Topics Covered:

- Collection of seeds and procurement of grounded powder
- Extration of sample powder according to solubility by successive solvent extraction
- Extration of sample powder with non-polar solvents
- Extration of sample powder with polar solvents
- Preliminary phytochemical screening of concentrated extracts
- Fractionation of methanolic extract by column chromatography
- Collection and separation of active components by simultaneous TLC analysis
- Screening for antimicrobial activity of Strychnine

### Schedule:

| Days  | Topics Covered                                                                                                                                                          |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Day 1 | <b>Collection of seeds</b> <ul style="list-style-type: none"><li>• Seeds collection</li><li>• Drying under direct sunlight</li></ul>                                    |
| Day 2 | <b>procurement of grounded powder</b> <ul style="list-style-type: none"><li>• Prepare grounded powder by using big size grinders</li><li>• Drying under shade</li></ul> |



  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

|        |                                                                                                                                                                                                                                                                           |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Day 3  | <b>Extraction process</b> <ul style="list-style-type: none"> <li>• Successive solvent extraction by Hot percolation method with Soxhlet apparatus</li> <li>• Firstly Extraction with n-hexane for 6 hrs</li> <li>• Collection and concentration of extract</li> </ul>     |
| Day 4  | <ul style="list-style-type: none"> <li>• Extraction by non-polar solvents ether, chloroform and methanol</li> <li>• Concentration of ether, chloroform and methanol extracts</li> </ul>                                                                                   |
| Day 5  | <b>Preliminary phytochemical screening of extracts</b> <ul style="list-style-type: none"> <li>• Chemical tests for identification of alkaloids in different extracts.</li> </ul>                                                                                          |
| Day 6  | <b>Column chromatography</b> <ul style="list-style-type: none"> <li>• Column chromatography of methanolic extract for fractionation of alkaloids</li> </ul>                                                                                                               |
| Day 7  | <ul style="list-style-type: none"> <li>• Checking of mobile phases suitability for fractionation of alkaloids</li> </ul>                                                                                                                                                  |
| Day 8  | <ul style="list-style-type: none"> <li>• Fractionation of alkaloids by using decreasing order of quantity of inorganic solvents and increasing order of polar solvents.</li> <li>• Simultaneous analysis of components by TLC for every 2 to 3 ml of fraction.</li> </ul> |
| Day 10 | <ul style="list-style-type: none"> <li>• Isolation of every alkaloid by TLC analysis</li> </ul>                                                                                                                                                                           |
| Day 11 | <b>Screening of individual alkaloid for antimicrobial activity</b> <ul style="list-style-type: none"> <li>• Study the strychnine by using four different s microbial starains</li> </ul>                                                                                  |
| Day 12 | <ul style="list-style-type: none"> <li>• Antimicrobial study was performed for Strychnine from <i>Strychnos potatorum</i>.</li> </ul>                                                                                                                                     |

**Instructors:** Mrs. Kavitha Perala, Asso. Prof. in Pharmacognosy.

Mrs. Swapna, Asst. Prof. in Pharmacognosy.

**Eligibility:**

- Students from B. Pharm (1<sup>st</sup> – 4<sup>th</sup> years), Pharm D and M. Pharmacy can join this Certification Course.
- Those who have pre-requisite knowledge and have interest.

**Fee:** Rs. 2000.



*Principle*  
**PRINCIPAL**  
 Balaji Institute of Pharmaceutical Sciences  
 Laknepally (V), Narsampet (M)  
 Warangal (Dt) - 506 331 (T.S)

**Benefits of the Course:** Exaction and isolation procedures gives the knowledge about which solvents have which nature on identification of unknown components based on solubility. This experiment gives the idea and knowledge about chromatography application in isolation and identification of individual component from extracts.

*G.V. Ben*

**COURSE COORDINATOR**

*[Signature]*

**PRINCIPAL**



*[Signature]*

**PRINCIPAL**

Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

**PRINCIPAL**

Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)



## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to Kakathiya University, Wgl )

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

### REPORT

Name of the course: **Extraction, Fractionation and screening of *Strychnos potatorum* seeds.**

Duration: **30<sup>th</sup> November to 17<sup>th</sup> December 2018**

Academic Year: 2018 - 19

#### Resource person details:

**Mrs. P. Kavitha**, M. Pharm, (Ph.D)

Professor, Dept of Pharmacognosy

Balaji Institute of Pharmaceutical Sciences.

Balaji Institute of Pharmaceutical Sciences, Laknepally, Narsampet, Telangana organized an add on program on "Research Design Execution and Publication" for B. Pharmacy and Pharm D Students by Mrs. P. Kavitha from **30<sup>th</sup> November to 17<sup>th</sup> December 2018**. This program was designed to orient the students to develop Extraction and fractionation methods, isolation by analytical methods and Screening method of Antidiabetic activity. A total of 60 students participated in this training program. All the students actively participated. Upon completion of the program the students were able to understand the following objectives and learning outcomes.

#### Prerequisites:

- Basics on exaction of crude drugs
- Eagerness to learn Chromatography techniques.



  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

### Benefits of the Course:

Exaction and isolation procedures gives the knowledge about which solvents have which nature on identification of unknown components based on solubility.

This experiment gives the idea and knowledge about chromatography application in isolation and identification of individual component from extracts.

This program was very much informative and develops Analytical oriented approach to the students and their feedback was positive about the program. The management of Balaji Institute of Pharmaceutical Sciences thanked the resource persons for making the program successful.

  
Course Coordinator

  
Principal



  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)



**BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES**  
( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to kakathiya University, Wgl )  
Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331  
Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

### CIRCULAR

Date: 03-12-2018

It is to inform to all the students of B. Pharmacy and Pharm D first year that, a certificate program on “Gender Sensitization” is scheduled from 06<sup>th</sup> December to 22<sup>nd</sup> December 2018. In this regard all the students are informed to attend the session without fail. A certificate will be given to all the students who complete the course.



  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

  
**PRINCIPAL**  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)



## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Apporved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to kakathiya University, Wgl )

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

Name of the course: Gender sensitization.

Duration: 06<sup>th</sup> December to 22<sup>nd</sup> December 2018

Academic Year : 2018 - 19

Curriculum Designed and developed by

| S.No | Name of the Faculty | Designation | Signature |
|------|---------------------|-------------|-----------|
| 1.   | Dr. N. Sampath      | ASSO. Prof  |           |
| 2.   | Dr. G. Naresh       | ASSO. Prof  |           |

Modules to be covered in the course:

| Session | Topic                                                                                                                                                                                                              | Duration     |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 1.      | <ul style="list-style-type: none"><li>• UNDERSTANDING GENDER:</li><li>• Gender definition, differentiation, importance.</li><li>• Gender equality</li><li>• Reasons for Gender discrimination in society</li></ul> | 2hrs<br>2hrs |
| 2       | <ul style="list-style-type: none"><li>• Socialization:</li><li>• Introduction</li><li>• Making Women &amp; Men</li><li>• Preparing for Womanhood, Growing up Male, Different Masculinities</li></ul>               | 2hrs<br>2hrs |
| 3.      | <ul style="list-style-type: none"><li>• GENDER AND BIOLOGY</li><li>• Missing Women:</li><li>• Sex Selection and Its Consequences,</li><li>• Declining Sex Ratio,</li><li>• Demographic Consequences.</li></ul>     | 3 hrs        |



**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

|   |                                                                                                                                                                                                                                                                                                                                    |                          |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 4 | <ul style="list-style-type: none"> <li>• <b>Gender Spectrum:</b> Beyond the Binary. Two or Many Struggles with Discrimination.</li> </ul>                                                                                                                                                                                          | 3hrs                     |
| 5 | <ul style="list-style-type: none"> <li>• <b>GENDER AND LABOUR</b></li> <li>• Gender equality in daily work load in society</li> </ul>                                                                                                                                                                                              | 3hrs                     |
| 6 | <ul style="list-style-type: none"> <li>• <b>Worth of Women's Work in Politics and Economics.</b></li> <li>• <b>Fact and Fiction.</b></li> <li>• <b>Unrecognized and Unaccounted work.</b></li> <li>• <b>Additional Reading: Wages and Conditions of Work.</b></li> </ul>                                                           | 2hrs<br>2hrs             |
| 7 | <ul style="list-style-type: none"> <li>• <b>ISSUES OF VIOLENCE</b></li> <li>• <b>Sexual Harassment or sexual violence</b></li> <li>• <b>Eve-teasing</b></li> <li>• <b>Domestic Violence:</b></li> <li>• <b>Safety precautions</b></li> </ul>                                                                                       | 1hr<br>1hr<br>1hr<br>1hr |
| 8 | <ul style="list-style-type: none"> <li>• <b>Women importance in rebuilding lives</b></li> <li>• <b>New Forums for Justice</b></li> <li>• <b>Additional suggestions.</b></li> </ul>                                                                                                                                                 | 1hr<br>1hr<br>1hr        |
| 9 | <ul style="list-style-type: none"> <li>• <b>GENDER: CO – EXISTENCE</b></li> <li>• <b>Relationship between genders</b></li> <li>• <b>Gender equality</b></li> <li>• <b>Relationship between parents and childrens,</b></li> <li>• <b>Love letters.</b></li> <li>• <b>Additional Reading: Rosa Parks-The Brave Heart.</b></li> </ul> | 2hrs                     |

  
Course coordinator

  
**PRINCIPAL**

  
**Principal**  
**PRINCIPAL**

Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)





## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to kakathiya University, Wgl )  
Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

### REPORT

Name of the course: **Gender sensitization.**

Duration : **06<sup>th</sup> December to 22<sup>nd</sup> December 2018**

Academic Year : **2018 - 19**

#### Resource Person details :

**Dr. N. Sampath,**

**Associate Professor,**

Balaji Institute of Management Sciences

Balaji Institute of Pharmaceutical Sciences, Warangal, organized Awareness programme on "Gender sensitization", for B. Pharmacy and Pharm. D 1<sup>st</sup> year students by **Dr. N. Sampath** from **06<sup>th</sup> December to 22<sup>nd</sup> December 2018**. This program was designed to develop knowledge on importance of Gender equality. Totally 90 students are participated in this training program. All the students are actively participated. Upon completion of program the students were able to understand the following objectives and learning outcomes.

#### Objectives:

- Understand the gender and gender relations.
- To understand the different obstacles to making a gender sensitive organization.
- Understand the relation between women and men in society.
- To give awareness on sexual harassment.

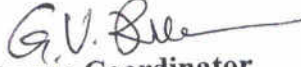
#### Learning Outcomes:

- Know the importance between genders in the society.
- To know how to improve mental and physical health of women to overcome the problems in the society.
- Know the preventive steps and disciplinary actions against sexual harassment in the society.



  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

This program was very much informative to students and their feedback was positive about the program. The management and Principal of Balaji Institute of Pharmaceutical Sciences thanked to resource person and participants for making program successful.

  
Course Coordinator

  
Principal

**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)



  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)



## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to Kakathiya University, Wgl )

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

### CIRCULAR

Date: 22.12.2018

It is to inform to all the students of B. Pharmacy and Pharm D all years that, a certificate program on “**Extraction and identification of Nitidine from the barks of *Fagara chalybe***” is scheduled from 26<sup>th</sup> December 2018 to 11<sup>th</sup> January 2019. In this regard all the students are informed to attend the session without fail. A certificate will be given to all the students who complete the course.



**PRINCIPAL**

Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

**PRINCIPAL**

**PRINCIPAL**

Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)



## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to Kakathiya University, Wgl.)

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

### ABOUT PROGRAM

**Type of Course: Certificate Course**

**Title of the Course: Extraction and identification of Nitidine, (Benzophenanthridine alkaloid) from the barks of *Fagara chalybea*.**

**Duration of the Course: 15 days**

**Timings: 4PM – 6PM**

**Dates: 26<sup>th</sup> December 2018 to 11<sup>th</sup> January 2019**

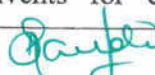
**Topics Covered:**

- Introduction on extraction methods and isolation of phytochemicals by spectroscopic methods
- Introduction on HPLC instrument.
- Procurement of plants, chemicals and standards.
- Extraction of plant material with suitable solvents
- Preparation of sample and standard dilutions and selection of mobile phase.
- HPLC analysis of samples and standard of nitidine.
- Validation of Nitidine.

**Schedule:**

| Days  | Topics Covered                                                                                                                                                                                                                                              |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Day 1 | Introduction on extraction methods and isolation of phytochemicals by spectroscopic methods <ul style="list-style-type: none"><li>• Various extraction methods</li><li>• Detail explanation on Spectroscopic methods for isolation of components.</li></ul> |
| Day 2 | <ul style="list-style-type: none"><li>• Scrutinization of plants</li><li>• Selection of plant <i>Fagara chalybea</i></li><li>• Introduction on plant</li></ul>                                                                                              |
| Day 3 | <b>Selection of extracton method</b> <ul style="list-style-type: none"><li>• Checking and finalise the suitability of solvents for extraction of</li></ul>                                                                                                  |



  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S.)

|        |                                                                                                                                                               |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        | phytochemicals,                                                                                                                                               |
| Day 4  | <ul style="list-style-type: none"> <li>Extraction of plant bark powder with methanol by hot percolation method</li> </ul>                                     |
| Day 5  | Extraction with methanol repeatedly                                                                                                                           |
| Day 6  | <ul style="list-style-type: none"> <li>Continuation of extraction process</li> <li>Filtration and concentration of residue</li> <li>TLC of extract</li> </ul> |
| Day 7  | <ul style="list-style-type: none"> <li>Preparation of sample and standard dilutions</li> <li>Selection of mobile phases.</li> </ul>                           |
| Day 8  | <ul style="list-style-type: none"> <li>HPLC analysis of sample by different mobile phases by trial and error method</li> </ul>                                |
| Day 10 | <ul style="list-style-type: none"> <li>HPLC analysis of methanolic extract by selective mobile phase</li> </ul>                                               |
| Day 11 | <ul style="list-style-type: none"> <li>HPLC analysis of standard</li> </ul>                                                                                   |
| Day 12 | <ul style="list-style-type: none"> <li>Final calculation and report of nitidine isolation</li> </ul>                                                          |

**Instructors:** Mr.Dr. J. Ravi., Prof. in Quality assurance.

Mr. P.Siddhartha, Asso. Prof in Pharmaceutical Chemistry

**Eligibility:**

Students from B.Pharm can join this Certification Course.

Anyone who have interest in this field and have pre-requisite knowledge.

**Prerequisites:**

Basics of Spectroscopy

Eagerness to learn new innovative things

**About the Course:** Spectroscopy is a advanced technique to isolation and identification of individual component from mixture.



*Ganesh*  
**PRINCIPAL**  
 Balaji Institute of Pharmaceutical Sciences  
 - Laknepally (V), Narsampet (M)  
 Warangal (Dt) - 506 331 (T.S)  
 Warangal (Dt) - 506 331 (T.S)



## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to Kakathiya University, Wgl )

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

### REPORT

**Name of the course:** Extraction and identification of Nitidine from the barks of *Fagara chalybea*

**Duration:** 30 Hrs

**Academic Year:** 2018 - 19

**Resource Person details:**

Dr. J. Ravi, M.Pharm, Ph.D

Professor. Dept. of Quality assurance.

Balaji Institute of Pharmaceutical Sciences

Balaji Institute of Pharmaceutical Sciences, Warangal, organized an add on program on **Extraction and identification of Nitidine from the barks of *Fagara chalybea*** for Pharmacy students and Pharm D by Dr. J. Ravi from 26<sup>th</sup> December 2018 to 11<sup>th</sup> January 2019. This program was designed to develop knowledge on Chromatographic techniques. Totally 60 students are participated in this training program. All the students are actively participated. Upon completion of program the students were able to understand concepts of basics, working procedure and isolation of compounds from TLC, HPLC methods.

This program was very much informative to students and their feedback was positive about the program. The management and Principal of Balaji Institute of Pharmaceutical Sciences thanked to resource person and participants for making program successful.

  
Course Coordinator

  
Principal



  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)



## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to kakathiya University, Wgl )

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 986652412 (Principal), +91 8718-230521 (Fax)

### CIRCULAR

Date: 17-12-2018

It is to inform to all the students of B. Pharmacy and Pharm D first year that, a certificate program on **"Human Values"** is scheduled from **26<sup>th</sup> December 2018 to 11<sup>th</sup> January 2019**. In this regard all the students are informed to attend the session without fail. A certificate will be given to all the students who complete the course.



*Safe*  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

*Safe*  
**PRINCIPAL**  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)



# BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to kakathiya University, Wgl )

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

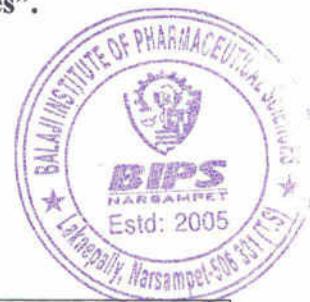
Contact : +91 9866050044 (Office), +91 986652412 (Principal), +91 8718-230521 (Fax)

Name of the course: Awareness program conducted on "Human Values".

Duration : 26<sup>th</sup> December 2018 to 11<sup>th</sup> January 2019

Academic Year : 2018 - 2019

Curriculum Designed and developed by



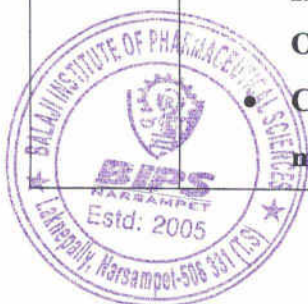
| S.No | Name of the Faculty | Designation | Signature         |
|------|---------------------|-------------|-------------------|
| 1.   | Dr. N. Sampath      | Asso. Prof  | <i>N. Sampath</i> |
| 2.   | Dr. G. Naresh       | ASSO. Prof  | <i>G. Naresh</i>  |

Modules to be covered in the course:

| Session | Topic                                                                                                                                                                                                                                                                                                                                                                                                             | Duration                  |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| 1.      | <ul style="list-style-type: none"><li>Basic Guidelines, Content and Process for Value Education:</li><li>Understanding the need, basic guidelines, content and process for Value Education.</li><li>Basic Human Aspirations</li><li>Relationship and Physical Facilities - the basic requirements for fulfillment of aspirations of every human being.</li><li>Method to fulfill the human aspirations.</li></ul> | 2hrs<br>2hr<br>2hr<br>2hr |
| 2.      | <ul style="list-style-type: none"><li>Understanding Harmony in the Human Being - : Understanding human being as a co-existence of the sentient 'I' and the material 'Body'.</li><li>Understanding the needs of Self ('I') and 'Body' - Sukh and Suvidha.</li><li>Understanding the Body as an instrument of 'I'</li></ul>                                                                                         | 2hrs<br>1hr               |

**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
|    | <p>being the doer, seer and enjoyer).</p> <ul style="list-style-type: none"> <li>Understanding the harmony of I with the Body: Sanyam and Swasthya; correct appraisal of Physical needs, meaning of Prosperity in detail.</li> <li>Programs to ensure Sanyam and Swasthya.</li> </ul>                                                                                                                                                                                                                                                                | <p>1hr</p> <p>1hr</p> <p>1hr</p>                         |
| 3. | <ul style="list-style-type: none"> <li>Understanding Harmony in the Family and Society - Harmony in Human - Human Relationship:</li> <li>Understanding harmony in the Family the basic unit of human interaction.</li> <li>Understanding values in human - human relationship.</li> <li>Understanding the meaning of Vishwas; Difference between intention and competence.</li> <li>Understanding the harmony in the society ( society being an extension of family): Samadhan, Samridhi, Abhay, Sah-astiva as comprehensive Human Goals.</li> </ul> | <p>1 hr</p> <p>1hr</p> <p>1hr</p> <p>1hr</p> <p>2hrs</p> |
| 4. | <ul style="list-style-type: none"> <li>Understanding Harmony in the nature and Existence - Whole existence as Co-existence:</li> <li>Interconnectedness and mutual fulfillment among the four orders of nature - recyclability and self-regulation in nature.</li> <li>Understanding Existence as Co-existence (Sah-astiva) of mutually interacting units in all-pervasive space.</li> </ul>                                                                                                                                                         | <p>1hr</p> <p>2hrs</p> <p>1hr</p>                        |
| 5. | <ul style="list-style-type: none"> <li>Implications of the above Holistic Understanding of Harmony on Professional Ethics:</li> <li>Natural acceptance of human values,</li> <li>Definitiveness of Ethical Human Conduct,</li> <li>Basic for Humanistic Education,</li> <li>Humanistic Constitution and Humanistic Universal Order. Competence in professional ethics:</li> <li>Case studies of typical holistic technologies, management models and production systems.</li> </ul>                                                                  | <p>1hr</p> <p>1hr</p> <p>1hr</p> <p>2hrs</p> <p>1hr</p>  |



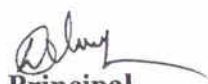
*[Signature]*  
**PRINCIPAL**  
 Bala Institute of Pharmaceutical Sciences  
 Laknepally (V), Narsampet (M)  
 Warangal (Dt) - 506 331 (T:S)

|  |                                                                                                                                                |      |
|--|------------------------------------------------------------------------------------------------------------------------------------------------|------|
|  | <ul style="list-style-type: none"> <li>• Natural acceptance of human values,</li> </ul>                                                        | 1hr  |
|  | <ul style="list-style-type: none"> <li>• Definitiveness of Ethical Human Conduct,</li> </ul>                                                   | 1hr  |
|  | <ul style="list-style-type: none"> <li>• Basic for Humanistic Education,</li> </ul>                                                            | 2hrs |
|  | <ul style="list-style-type: none"> <li>• Humanistic Constitution and Humanistic Universal Order. Competence in professional ethics:</li> </ul> | 1hr  |
|  | <ul style="list-style-type: none"> <li>• Case studies of typical holistic technologies, management models and production systems.</li> </ul>   | 2hrs |
|  | <ul style="list-style-type: none"> <li>• Strategy for transition from the present state to Universal Human order.</li> </ul>                   |      |

  
Course coordinator



  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

  
**Principal**  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)



**BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES**  
( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to kakathiya University, Wgl )  
Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331  
Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

Date - 11/01/2019

## REPORT

Name of the course : "Human Values".

Duration : 26<sup>th</sup> December 2018 to 11<sup>th</sup> January 2019

Academic Year : 2018 - 19

Resource Person details:

**Dr. G. Naresh,**

**Associate Professor,**

Balaji Institute of Management Sciences

Balaji Institute of Pharmaceutical Sciences, Warangal, organized Awareness programme on "Gender sensitization", for B. Pharmacy and Pharm. D 1<sup>st</sup> year students by **Dr. G. Naresh** from 26<sup>th</sup> December 2018 to 11<sup>th</sup> January 2019. This program was designed to develop knowledge on importance of values of Human beings. Totally 90 students are participated in this training program. All the students are actively participated. Upon completion of program the students were able to understand the following objectives and learning outcomes.

### • Objectives:

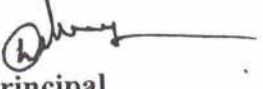
- Understanding the need, basic guidelines, content and process for Value Education.
- Understanding the human aspirations in the family and society.
- Understanding the harmony parameters of I with the **Body** (Sanyam and Swasthya).
- Understanding the basic knowledge for Humanistic Education.

### • Outcomes :

- To know the knowledge on human values in between human & human relations and family & society relationships.
- To know the knowledge on Ethical Human Conduct.
- To know the knowledge on the harmony in the society ( society being an extension of family).

  
Course Coordinator



  
Principal

  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)



## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to kakathiya University, Wgl )

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

### CIRCULAR

Date: 17.01.2019

It is to inform to all the students of B. Pharmacy and Pharm D all years that, a certificate program on “**Biological Screening of Anti-Diabetic Drugs by in vivo and in vitro models**” is scheduled from 21<sup>th</sup> January to 07<sup>th</sup> February 2019. In this regard all the students are informed to attend the session without fail. A certificate will be given to all the students who complete the course.



**PRINCIPAL**

Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

**Principal**

**PRINCIPAL**

Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)



## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to kakathiya University, Wgl )

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

### ABOUT COURSE

**Type of Course:** Certificate Course

**Title of the Course:** Biological Screening of Anti-Diabetic Drugs by in vivo and in vitro models.

**Duration of the Course:** 2 Weeks

**Timings:** 4pm – 6pm

**Dates:** 21<sup>th</sup> January to 07<sup>th</sup> February 2019

#### Topics Covered:

- Introduction to anti diabetic activity
- Introduction on in vivo methods
- Introduction on in vitro methods
- Streptozotocin induced diabetic model
- Alloxan induced diabetic model
- Monosodium glutamate induced diabetic model
- Dithisone induced diabetic model
- Goldthioglucose obase diabetic model

  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

| Days      | Topics Covered                                                                                                                                                                                                                                              |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Day 1     | <b>Introduction on Diabetics</b> <ul style="list-style-type: none"><li>• Diabetics definition, types and methods for control</li><li>• Procurement of animals (rats), chemicals and standards.</li></ul>                                                    |
| Day 2 & 3 | <ul style="list-style-type: none"><li>• Introduction on In vivo methods of anti diabetic models.</li><li>• Streptozotocin induced diabetic model</li><li>• Induction of diabetes in rats by using Streptozotocin</li><li>• Duration is 4-5 hours.</li></ul> |
| Day 4 & 5 | <ul style="list-style-type: none"><li>• Alloxan induced diabetic model.</li><li>• Route of administration of Alloxan is intravenous/ intraperitoneal.</li></ul>                                                                                             |



|        |                                                                                                                                                                                                                      |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        | <ul style="list-style-type: none"> <li>• Duration of experiment 4 – 6 hours</li> </ul>                                                                                                                               |
| Day 6  | <ul style="list-style-type: none"> <li>• Monosodium glutamate induced diabetic model</li> <li>• Induction of diabetes by using Monosodium glutamate</li> </ul>                                                       |
| Day 7  | <ul style="list-style-type: none"> <li>• Dithisone induced diabetic model</li> </ul>                                                                                                                                 |
| Day 8  | <ul style="list-style-type: none"> <li>• Goldthioglucose obese diabetic model</li> </ul>                                                                                                                             |
| Day 9  | <ul style="list-style-type: none"> <li>• Introduction on In vitro diabetic models</li> </ul>                                                                                                                         |
| Day 10 | <ul style="list-style-type: none"> <li>• <math>\alpha</math>- Amylase inhibition assay</li> <li>• Preparation of <math>\alpha</math>- Amylase solution with sample solution</li> <li>• Reading absorbance</li> </ul> |
| Day 11 | <ul style="list-style-type: none"> <li>• <math>\alpha</math>-Glucosidase inhibition assay</li> <li>• Reading of absorbance</li> </ul>                                                                                |
| Day 12 | <ul style="list-style-type: none"> <li>• Conclusion and reporting of in vivo and in vitro diabetic models.</li> </ul>                                                                                                |

**Schedule:**

**Instructors:** Dr. A .Shyam sunder, Principal & Prof. in Pharmacology.  
Mr. J. Nagaraju, Asso. Prof. in Pharmacology.

**Eligibility:**

- B.Pharm. candidates with specialization in Pharmacology

**Prerequisites:**

- Candidates having background of digital system designing and any programming language experience can undergo this training.

**About the Course:** Biological Screening of Anti-Diabetic Drugs by in vivo and in vitro models, topic give the awareness of what is the diabetes, how to induce the disease with the help of animals by in vivo and in vitro models with different drugs.

**Benefits of the Course:**

*Upon the completion of training, you will be proficient in the following skill set:*

- Understanding the concept of Diabetic disease
- Learn about the in vivo and in vitro models for induction of disease
- Learn about awareness of disease condition and prevention methods.

  
COURSE COORDINATOR





**PRINCIPAL**

Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet  
Warangal (Dt) - 506 331 (T.S)

  
PRINCIPAL

**PRINCIPAL**

Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)



## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to kakathiya University, Wgl )

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

### REPORT

**Name of the course: Biological Screening of Anti-Diabetic drugs by in vivo and in vitro models.**

**Duration: 30 Hrs**

**Academic Year: 2018 - 19**

**Resource Person details:**

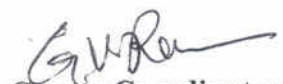
Dr. A .Shyam sunder, M.Pharm, Ph.D

Professor. Dept. of Pharmacology.

Balaji Institute of Pharmaceutical Sciences

Balaji Institute of Pharmaceutical Sciences, Warangal, organized an add on program on **Biological Screening of Anti-Diabetic Drugs by in vivo and in vitro models** for B. Pharmacy students and Pharm D by Dr. A .Shyam sunder from **21<sup>th</sup> January to 07<sup>th</sup> February 2019**. This program was designed to develop knowledge on in vitro and in vivo models of antidiabetic activity. Totally 60 students participated in this training program. All the students actively participated. Upon completion of program the students were able to understand concepts of different in vitro and in vivo models of antidiabetic activity.

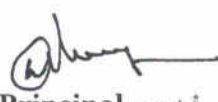
This program was very much informative to students and their feedback was positive about the program. The management and Principal of Balaji Institute of Pharmaceutical Sciences thanked the resource person and participants for making the program successful.

  
Course Coordinator





**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

  
**Principal**  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)



## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to Kakathiya University, Wgl )

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

Date: 21.02.2019

### CIRCULAR

It is to inform to all the students of B. Pharmacy and Pharm D all years that, a certificate program on **“Analysis of Curcuminoids and Curcuminoid loaded liposome formulation by reverse phase high performance liquid chromatography”** is scheduled from **28<sup>th</sup> Feb to 18<sup>th</sup> Mar 2019**. In this regard all the students are informed to attend the session without fail. A certificate will be given to all the students who complete the course.



**PRINCIPAL**

Balaji Institute of Pharmaceutical Sciences

Laknepally (V), Narsampet (M)

Warangal (Dt) - 506 331 (T.S)

**PRINCIPAL**

**PRINCIPAL**

Balaji Institute of Pharmaceutical Sciences

Laknepally (V), Narsampet (M)

Warangal (Dt) - 506 331 (T.S)



## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to kakathiya University, Wgl )

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

### ABOUT COURSE

Type of Course: **Certificate Course**

Title of the Course: **Analysis of Curcuminoids and Curcuminoid loaded liposome formulation by reverse phase high performance liquid chromatography.**

Duration of the Course: **15 days**

Timings: **4PM – 6PM**

Dates: **28<sup>th</sup> Feb to 18<sup>th</sup> Mar 2019**

#### Topics Covered:

- Introduction on Curcuminoids
- Introduction on high performance liquid chromatography instrument and working procedure
- Reverse phase HPLC
- Preparation of Curcuminoid liposome formulation
- HPLC analysis of Curcuminoids
- HPLC analysis of Curcuminoid liposome formulation
- Validation

  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

| Days  | Topics Covered                                                                                                                                                                                                                                |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Day 1 | <ul style="list-style-type: none"><li>• <b>Introduction on Curcuminoids</b></li><li>• Definition and source of curcuminoids</li><li>• Extraction process of curcuminoids.</li><li>• Applications and uses of curcuminoids.</li></ul>          |
| Day 2 | <ul style="list-style-type: none"><li>• <b>Introduction on high performance liquid chromatography (HPLC).</b></li><li>• Types of HPLC and their applications in pharmaceutical field.</li><li>• Introduction of Reverse phase HPLC.</li></ul> |

|           |                                                                                                                                                                                                                                         |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           | <ul style="list-style-type: none"> <li>• Demonstration on HPLC instrumentation and working procedure.</li> </ul>                                                                                                                        |
| Day 3 & 4 | <ul style="list-style-type: none"> <li>• Procurement of samples, standard and required chemicals.</li> <li>• Preparation of curcuminoid liposomes.</li> <li>• Washing and optimisation of HPLC instrument with mobile phase.</li> </ul> |
| Day 5 & 6 | <ul style="list-style-type: none"> <li>• Dilutions of standard and sample curcuminoid preparation.</li> <li>• RP-HPLC analysis of curcuminoids sample and standard by C18 columns and UV- Visible detector.</li> </ul>                  |
| Day 7     | <ul style="list-style-type: none"> <li>• RP-HPLC analysis of curcuminoid liposomes.</li> </ul>                                                                                                                                          |
| Day 8     | <ul style="list-style-type: none"> <li>• Validation of HPLC method for pure curcuminoid and curcuminoid liposomes.</li> <li>• Linearity</li> </ul>                                                                                      |
| Day 9     | <ul style="list-style-type: none"> <li>• Precision</li> </ul>                                                                                                                                                                           |
| Day 10    | <ul style="list-style-type: none"> <li>• Accuracy study</li> </ul>                                                                                                                                                                      |
| Day 11    | <ul style="list-style-type: none"> <li>• Limit of detection and limit of quantitation</li> </ul>                                                                                                                                        |
| Day 12    | <ul style="list-style-type: none"> <li>• Calculation and comparison of validation parameters of curcuminoid and curcuminoid liposomes</li> <li>• Report the method .</li> </ul>                                                         |

**Instructors:** Dr. P. Ravi, Professor.  
HOD of Pharmaceutics  
Mr. G. Venkataramana.,  
Asso. Prof. in Pharmaceutics

**Eligibility:**

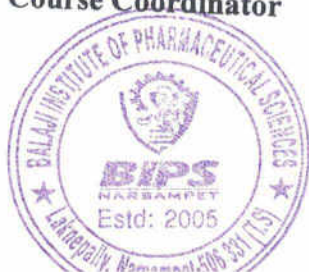
- B.Pharmacy candidates with specialization in Pharmaceutics.

**Prerequisites:**

- Candidates having background of digital system designing and any programming language experience can undergo this training.

**Fee:** Rs. 2000

  
**Course Coordinator**



  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

  
**Principal**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)



## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to kakathiya University, Wgl )

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

### REPORT

Name of the course: **Analysis of Curcuminoids and Curcuminoid loaded liposome formulation by reverse phase high performance liquid chromatography.**

Duration: 30 Hours

Academic Year: 2018 - 19

#### Resource person details:

Dr. P. Ravi, Professor. M.Pharm, Ph.D

HOD of Pharmaceutics,

Balaji Institute of Pharmaceutical Sciences.

**IPR, Patent drafting, filling and Processing** is a course offered in B. Pharmacy 2<sup>nd</sup> year to 4<sup>th</sup> year, M. Pharmacy and Pharm. D program at Balaji Institute of Pharmaceutical Sciences, Warangal on **28<sup>th</sup> Feb to 18<sup>th</sup> Mar 2019**. This course is designed to impart knowledge of formulations and liposomes preparation procedures. The future prospects of this course are useful in academics, pharmaceutical industry, and research institution. Accordingly, a graduate and post-graduate student should be competent to meet the job requirements at all these places.

#### Learning Outcomes:

1. Appreciate the knowledge of formulation preparations.
2. Develop and prepare new liposomes with innovative research ideas.

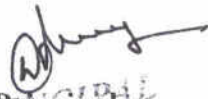
#### Benefits of the Course:

*Upon the completion of training, you will be proficient in the following skill set:*

- Understanding the concept liposomal preparation of Curcuminoids.
- Learn about the analytical methodology and validation procedure for liposomes.

  
Course Coordinator

  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)





## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to Kakathiya University, Wgl )

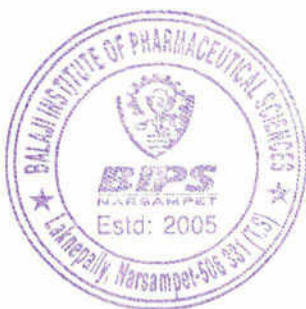
Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

Date: 30.03.2019

### CIRCULAR

It is to inform to all the students of B. Pharmacy and Pharm D all years that, a certificate program on “: **Research Design, Execution & Publication**” is scheduled from **01<sup>st</sup> Apr 2019 to 20<sup>th</sup> Apr 2019**. In this regard all the students are informed to attend the session without fail. A certificate will be given to all the students who complete the course.



**PRINCIPAL**

Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

**PRINCIPAL**

**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)



## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to kakathiya University, Wgl )

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

### ABOUT COURSE

**Type of Course: Certificate**

**Course Title of the Course: Research Design, Execution & Publication.**

**Duration of the Course: 15 days**

**Timings: 4PM – 6PM**

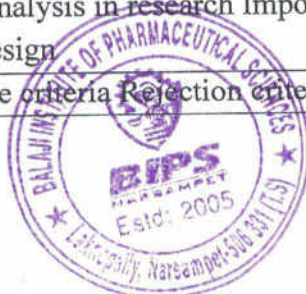
**Dates: 01<sup>st</sup> Apr to 20<sup>th</sup> Apr 2019**

**Curriculum Designed and Developed by**

| S.No | Name of the faculty | Designation         | Signature |
|------|---------------------|---------------------|-----------|
| 1.   | Dr. A.Shyam Sundar  | Professor           |           |
| 2.   | Mr. P.Aravind       | Assistant Professor |           |

### Modules to be covered in the course

| S. No | Topic                                                                                                                                                                 | Duration |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1.    | Introduction of Research, Research designs,<br>Bias research<br>Evidence based study<br>Types of evidences<br>Subjects to be used in study Modern day<br>advancements | 3hrs     |
| 2.    | Systematic reviews of trials and other studies<br>Interpreting and understanding meta-analysis<br>graphs                                                              | 3hrs     |
| 3.    | Designing, conducting and reporting clinical<br>research                                                                                                              | 3hrs     |
| 4.    | Developing research question Components of<br>research question Literature search                                                                                     | 3hrs     |
| 5.    | Scientific literature search Literature review<br>Scientific databases                                                                                                | 3hrs     |
| 6.    | Levels of evidences                                                                                                                                                   | 3hrs     |
| 7.    | Types of analysis in research Importance accord ing<br>to study design                                                                                                | 3hrs     |
| 8.    | Acceptance criteria Rejection criteria                                                                                                                                | 3hrs     |



**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

|     |                                                      |      |
|-----|------------------------------------------------------|------|
| 9.  | Publication databases Type of search                 | 3hrs |
| 10. | Journal club<br>Types of publications and the impact | 3hrs |

  
Course Coordinator

  
Principal



  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)



## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to kakathiya University, Wgl )

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

### REPORT

Name of the course: **Research Design Execution and Publication**

Duration: **01<sup>st</sup> Apr 2019 to 20<sup>th</sup> Apr 2019**

Academic Year: 2018-19

#### Resource person details:

**Dr. A. Shyam Sundar.,** M. Pharm, Ph.D

Professor, **HOD in Pharamacology**

Balaji Institute of Pharmaceutical Sciences.

Balaji Institute of Pharmaceutical Sciences, Laknepally, Narsampet, Telangana organized an add on program on "Research Design Execution and Publication" for B. Pharmacy and Pharm D Students by **Dr. A. Shyam Sundar** from **01<sup>st</sup> Apr 2019 to 20<sup>th</sup> Apr 2019**. This program was designed to orient the students to develop research designs, study modules, statistical analysis and publications. A total of 60 students participated in this training program. All the students actively participated. Upon completion of the program the students were able to understand the following objectives and learning outcomes.

#### Objectives:

1. Analyse, interpret and develop research designs, question and analysis
2. Assess the study design, apply and interpret outcomes of study
3. Discuss the rationale for research study design
4. Describe and analyse publication, evidence based literature
5. Types of evidence based literature
6. Developing research protocol, review and publication

  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

## Learning Outcomes:

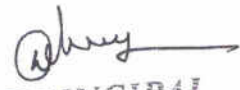
1. Learn study and research designs, questions
2. Developing effective study designs, Research questions, literature based study
3. Design and concentrate Evidence based study
4. Assess, analyze and interpret evidence based study.
5. Develop protocol, publication sceptical
6. Analyse the quality based publications

This program was very much informative and develops research oriented approach to the students and their feedback was positive about the program. The management of Balaji Institute of Pharmaceutical Sciences thanked the resource persons for making the program successful.

  
Course Coordinator



  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet  
Warangal (Dt) - 506 331 (T.S)

  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)



## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to kakathiya University, Wgl )

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

Date: 17.06.2019

### CIRCULAR

It is to inform to all the students of B. Pharmacy and Pharm D all years that, a certificate program on “**Pharmacovigilance**” is scheduled from 20<sup>th</sup> Jun 2019 to 06<sup>th</sup> Jul 2019. In this regard all the students are informed to attend the session without fail. A certificate will be given to all the students who complete the course.



**PRINCIPAL**

Balaji Institute of Pharmaceutical Sciences

Laknepally (V), Narsampet (M)

Warangal (Dt) - 506 331 (T.S)

**PRINCIPAL**

**PRINCIPAL**

Balaji Institute of Pharmaceutical Sciences

Laknepally (V), Narsampet (M)

Warangal (Dt) - 506 331 (T.S)



## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to Kakathiya University, Wgl )

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

### ABOUT COURSE

**Type of Course:** Certificate Course  
**Title of the Course:** Pharmacovigilance.  
**Duration of the Course:** 15 days  
**Timings:** 04:00AM – 06:00PM  
**Dates:** 20<sup>th</sup> Jun 2019 to 06<sup>th</sup> Jul 2019

| Session | Topic Name                                    | Approach                                                                                                         |
|---------|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| 1       | Self Awareness & Psychometric test            | ★ Aptitude and personality assessment, suggestions for improvement.                                              |
| 2       | Industry Expectations & Career Planning       | ★ Academics and Industry – Current Scenario<br>★ Gaps<br>★ A few Myths<br>★ Industry Expectations on Skill base. |
| 3       | Communicating Professional : In an Interview. | ★ Recognize the importance of Body language. And manage Body language for success in an Interview.               |
| 4       | JAM                                           | ★ Practice Session                                                                                               |
| 5       | Grooming and Etiquette                        | ★ Identify the importance of appropriate dress sense and grooming in an Interview.                               |
| 6       | Group Discussions                             | ★ Know the importance of GD for final Placements.                                                                |
| 7       | MOCK GD                                       | ★ Practice Session                                                                                               |
| 8       | Resume Writing                                | ★ Customization of Resume to the candidate.                                                                      |
| 9       | Interview concepts                            | ★ Elaborate on the interview concepts                                                                            |
| 10      | MOCK Interview (Personal)                     | ★ Practice Session                                                                                               |
| 11      | Interviews : Personal                         | ★ We discuss introducing self and more about self in Personal Interviews.                                        |



**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

|    |                                  |                                                                                                                    |
|----|----------------------------------|--------------------------------------------------------------------------------------------------------------------|
| 12 | Interviews : HR                  | ★ Different questions asked by HR and how to give answers for them.                                                |
| 13 | Interviews : Telephonic          | ★ Telephone Etiquette                                                                                              |
| 14 | Job Interviews & Video Mirroring | ★ Mock Interviews can be conducted here to give practical exposure to students.                                    |
| 15 | Personality Assessment Round     | ★ Conducting SWOT Analysis and make Students to realize how to bring the Interviewer to students comfortable zone. |

### Schedule:

**Instructors:** Dr. T. Manish., Prof. in Pharamaceutical Analysis  
Mr. P. Siddhartha, Asso.Prof. in Pharmaceutical chemistry

### Eligibility:

Pharmacy candidates with interest in Research.

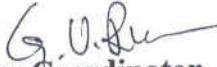


*[Signature]*  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

*[Signature]*  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

2. Classify ICSRs and complete reporting forms.
3. Process cases in safety database.

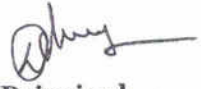
Understand and determine seriousness, expectedness and causality

  
**Course Coordinator**



  
**PRINCIPAL**

Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

  
**Principal**  
**PRINCIPAL**  
Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)



## BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

( Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to kakathiya University, Wgl )

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

Date: 27-07-2019

### CIRCULAR

All the students of B.Pharmacy I to IV years are here by informed that an add on course on **Campus Recruitment Training** is scheduled from **01-08-2019 to 20-08-2019**.

All the students are instructed to get enrolled and attend all the classes without fail.



**PRINCIPAL**

Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)

**Principal**

**PRINCIPAL**

Balaji Institute of Pharmaceutical Sciences  
Laknepally (V), Narsampet (M)  
Warangal (Dt) - 506 331 (T.S)