

(Sponsored by Bapatla Education Society), (Recognized by A.I.C.T.E&PCI)
(Affiliated to Jawaharlal Nehru Technological University, Kakinada)
Bapatla, Bapatla (Dist), Andhra Pradesh -522101

List of Certificate/ Add-on Programs

Academic Year: 2018-19

S.No	Name of the Program	Duration of Course	No. of Participants	
1	A two week add on program on training on handling of basic laboratory animals	02-07-2018 to 17-07-2018	47	
2	A two week add on program on protein and peptide drug delivery	02-07-2018 to 17-07-2018	47	
3	A two week add on program on organic chemistry for justifiable future	09-07-2018 to 24-07-2018	92	
4	A two week add on program on computational tools used in pharmaceutical research	03-09-2018 to 18-09-2018	46	
5	A two week add on program on organic farming –relevance,problems,constraints.	03-09-2018 to 18-09-2018	47	
6	A two week add on program on insights on Advanced NMR techniques	01-12-2018 to17-12-2018	23	

Dr. K. Rajyalakshwi IQAC



PRINCIPIAL
Bapatla College of Pharmacy
Bapatla 522 101



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(Affiliated to Jawaharlal Nehru Technological University, Kakinada)

Bapatla, Guntur (Dist), Andhra Pradesh -522101

Dt: 18/06/2018

CIRCULAR

All the IV /IV B. Pharmacy Students are here by informed that the Department of Pharmacology is Organizing a two – week add on program on "Training on Handling of Basic Laboratory Animals" by B. Srinivasa Rao Assistant Professor from 2-07-2018 to 17-07-2018. So here by all the students are instructed to register on or before 30-06-2028 and utilize this golden opportunity to abreast knowledge by attending the classes.

Venue: Room F13

Coordinator: Annie Mande, Assistant professor, Dept of Pharmacology

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Principal PRINCIPAL Bapatla College of Pharmacy Bapatla 522 101

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Pharmaceutics	Pharmaceutical Chemistry &Analysis	Pharmacology	Pharmacognosy			,	

About the College:

Bapatla College of Pharmacy is one of the seven educational institutions founded and run by Bapatla **Educational Society** (Estd.1962). It is one of the first private pharmacy colleges established in the year 1995 with requisite infrastructure facilities and competent human resources. The college is located in 55 acres green campus with 50,000 sq ft state of the art teaching and laboratory facilities. The college houses a FR&D centre in collaboration with Apogen Remedies Pvt Ltd. Hyderabad and CPCSEA approved animal house facility

About the Course:

This course is aimed to improve the knowledge of students on animals handling

Topics Covered:

- Introduction of laboratory animals& experimental techniques
- Handling and restraining of laboratory animals
- · Ethical discussion experiments
- Collection of body fluids like blood, cerebrospinal fluid etc
- · Ethics committee in Indian system
- · Ethical evaluation of research protocol
- · Animal protection organization
- Discussion on research applications to the ethics committee

Last date of registration 30-06-2018

RESOURCE PERSON

Mr B Srinivasarao

Assistant professor

Department of pharmacology

Bapatla colege of pharmacy

Bapatla College of Pharmacy

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(Affiliated to Jawaharlal Nehru Technological
University, Kakinada)
A two – week add on
program on "Training on Handling of
Basic Laboratory Animals



Dates 2/7/2018-17/7/2018

About the Department:

The Department of Pharmacology at Bapatla College of Pharmacy was established in the year 1995. The department's mission is to advise and educate students about the various career paths available in the field of pharmacology. Leading the students with adequate training so they can fulfil the demands of a business, government research agency, pharmaceutical company, or academic environment.

The department has a sophisticated animal house facility and sufficient equipment to support preclinical research. It has advanced pharmacological equipment that can be used for a variety of tasks related to evaluating new chemicals. Other instruments like the T, Y, water, and radial arm mazes can be used for neurological screening. A plethysmograph, bioanalyser, analgesiometer, histamine chamber, electroconvulsiometer, rota rod apparatus, and other in vivo research instruments are also included.

Students in the department gained insight into the pharmacodynamics and pharmacokinetics of many medications that are sold on the market. Students can receive training in handling a variety of equipment used in pharmacology, toxicological investigations, pharmacovigilance, and clinical pharmacology, which offers a wide range of work opportunities in the pharmaceutical industry

Chief patron

President of Bapatla Education Society

Associate professor Department of Pharmacology

B.Sudheer Chowdary Assistant Professor **Program coordinator**

B.SrinivasaRao Department of Pharmacology

Annie Mande Department of Pharmacolog M. Sushma Assistant Professor Department of Pharmacology **Student Coordinators**

Mr.B.Sriram nayak Ms Ch Pallavi



Contact: 9700920070 9666810156





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Programme schedule for the two - week add on Programme "Training on Handling of Basic Laboratory Animals"

S.No	Day	Schedule
1.	02/07/2018	Inauguration of the session with the welcome address by the co ordinator Sri Annie Mande and key note address by Dr M.Sathish kumar, Associate professor the Department of pharmacology, followed by the lecture on Introduction to additive, constitutive and colligative properties
2.	03/07/2018	Introduction of laboratory animals
3.	04/07/2018	Introduction to practical training
4.	05/07/2018	Handling and restraining of laboratory animals
5.	06/07/2018	Ethical discussion experiments
6.	07/07/2018	Administration requirements and quality assurance during the conduct if animals studies and administration of substances
7.	09/07/2018	Collection of body fluids like blood, cerebrospinal fluid etc
8.	10/07/2018	Euthanasia and anaesthesia
9.	11/07/2018	Introduction to experimental techniques
10.	12/07/2018	Peri-operative care and analgesia
11.	13/07/2018	Ethics committee in Indian system
12.	14/07/2018	Ethical evaluation of research protocol
13.	16/07/2018	Animal protection organization
14.	17/07/2018	Discussion on research applications to the ethics committee

COORDINATOR

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Dt: 20/07/2018

PROGRAM REPORT

Name of the Course: Organizing a two - week add on programme on "Training on Handling of Basic Laboratory Animals"

Date: 2-07-2018to 17-07-2018 (Two Week)

Resource Person:

Mr.B. Srinivasa Rao

Assistant Professor

Contact Details: 9700920070

Mail ID: srinivasmk143@gmail.com

Course Coordinator: Mrs. Annie Mande

Assistant Professor

Contact Details: 7995840909

Mail ID: anniemande@gmail.com

Number of Students Attended: 47

Venue: F13

Bapatla College of Pharmacy, Bapatla Organizing a two - week add on programme on "Training on Handling of Basic Laboratory Animals"

The program was inaugurated by Dr M.Satihsh Kumar, Associate professor Department of pharmacology on 2th July 2018 at F13. During this two week session extensive deliberations on handling laboratory animals (mice), ethics, basics of animal house management, different research methodologies towards animal research & future perspectives of inter-disciplinary & multi- disciplinary research opportunities". In addition, the workshop also aims to put forward an effort in minimizing the gap between inter disciplinary & multi disciplinary research opportunities for the well being of human kind. Participation will enhance knowledge of science and contribute in developing multi dimensional research ideas and opportunities. Participants with a certificate of participation can add to their skills, which can boost up their opening &

opportunities abroad for higher studies. In addition to lectures by the resource person, demonstrations and experimentations were also performed by student groups. On 23 July 2018 valedictory session was conducted and participation certificates were issued to the attendees. The session ended with the closing remarks of the Coordinator Mrs. Annie Mande

Objectives:

- Training on Handling animals will be provided in handling small mammals for research. In addition to it,
- Direct Observation of Procedural Skills (DOPS) method will be observed for certain techniques to ensure competency of participants.
- The animals include mice, rats, hamsters, guinea pigs and rabbits. The training includes: Providing the student with an understanding of the ethics and regulations that govern the use of animals in research as per CPCSEA guidelines.
- Hands-on training for animal handling and restraint, sexing, routes of administration and collection of body fluids.
- > Imparting skills required to perform surgical and non surgical procedures

Learning Outcomes:

After completion of this course the students are able to:

- · Trained to handle rodents like mice, rats carefully which is basic for all research.
- Students also got profound practical knowledge on route of administration of various drugs.
- They acquire knowledge on identification of identification of sex, species based on morphological characters.
- · They got knowledge on selection of suitable animals for different activities.
- Students known about animals guideline organisations like CPCSEA and its role in animal experimentation.

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COORDINATOR



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Bapatla, Guntur (Dist), Andhra Pradesh-522101

DT:18-06-2018

CIRCULAR

This is hereby to inform all students IV/IV B. Pharm that Department of Pharmaceutics is going to conduct a "TWO-WEEK ADD ON PROGRAM ON PROTEIN AND PEPTIDE DRUG DELIVERY" BY Dr. T. VENKATESWAR RAO Professor, from 02-07-2018 to 17-07-2018. So here by all the students are instructed to register on or before 29-06-2018 and utilize this Opportunity.

Venue: Classroom F02

Coordinator: G. Pavani Priya, Assistant Professor, Dept of Pharmaceutics.

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Bapatla 522 101

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BAPATLA COLLEGE OF PHARMACY (BCOP):

Bapatla College of Pharmacy is one of the seven educational Institutions founded and run by Bapatla Education Society (Estd. 1962). It is one of the first private pharmacy colleges established in the year 1995, with requisite infrastructure facilities and competent human resources, The college is located in 55 acres green campus with 50,000 sqft state of the art teaching and laboratory facilities, The college houses a FR&D Centre in collabration with INNOVIND PHARMA Ltd, Vijayawada and CPCSEA Approved animal house facility

ABOUT THE DEPARTMENT PHARMACEUTICS:

Department is one of the asset to our institution, having 4 ph.D and 7 M. Pharm qualified faculty to support the academic and multidisciplinary research activities. The department is equipped with Modern R&D equipment such as Rotary tablet machine, bilayered tablet machine, multimill, double cone blender, extruder spheronizer, Fluid bet coater, R&D coating pan and Brookfield viscometer are available in addition to the equipment recommended by the statutory agencies.

ABOUT THE ADD ON PROGRAM:

This program explains about barriers for protein and peptide drug delivery, various routes of drug delivery of proteins and peptides, various approaches for oral drug delivery of proteins and peptide drug delivery system, various strategies for buccal delivery, nasal route, through skin and other routes, Various miscellaneous approaches.

Topics to be covered:

- Protein peptide drug deliveryconcept, functions, route.
- · Pharmaceutical approaches.
- Incorporation into drug delivery matrix.
- Stability aspects, future application

A TWO WEEK ADD ON PROGRAM ON "PROTEIN AND PEPTIDE DRUG DELIVERY"

> 02 nd to 17 th July 2018 DEPARTMENT OF PHARMACEUTICS



Bapatla College of pharmacy (Sponsored by Bapatla Education Society), (Approved by PCI and Affiliated to Jawaharlal Nehru Technological University, Kakinada) Bapatla, Guntur (Dist), Andhra Pradesh-522101

ADDRESS FOR COMMUNICATION

Mrs. M. SUKANYA
Assistant professor
Department of pharmaceutics
Phone number: 9550225353
EmailID:sukanyamanam87
@gmail.com



Organising Committee:

Patron: Office Bearers of Bapatla Education

Society

Convenor:

Dr. T.E. GOPALA KRISHNA MURTHY Principal

Organising Secretary:

Dr. V. SAI KISHORE, HOD Department of pharmaceutics

Resource person:

Dr. T. Venkateswara Rao

Associate professor,

Department of pharmaceutics

Co-ordinator:

Mrs. G. Pavani Priya (Assistant Professor, (Department of Pharmaceutics)

Organising committee:

M. Sukanya
Assistant professor,
Department of pharmaceutics
Poonguzhali
Assistant Professor,
Department of pharmaceutics

Student coordinators:

- 1. A. Srikanth Reddy
 - 2. M. Srilakshmi

Registration form

- of around and another and a many of I. Name:
 - 2. Regd Number:
 - 3. Year of study:
 - 4. Organization:
 - 5. Sex(Male/female)
 - 6. Address for correspondence
 - 7. Pin:
 - 8. Phone:
 - 9. Email:

Signature of participant

Signature of the head of the institute (with official seal)



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Programme schedule for the two - weeks Certification course on "PROTEIN AND PEPTIDE DRUG DELIVERY"

S. No	Date	Topic
1.	2 July 2018	Inauguration of the session with the welcome address by the co-ordinator G. Pavani Priya and key note address by Dr. V. Sai Kishore, Head of the Department of pharmaceutics, followed by the lecture on Introduction to protein and peptide drug delivery.
2.	3 July 2018	Need of protein & peptide drug delivery system.
3.	4 July 2018	Properties of protein & peptides.
4.	5 July 2018	Functions
5.	6 July 2018	Advantages
6.	7 July 2018	Pharmaceutical approaches 1)Chemical modification
7.	9 July 2018	Pharmaceutical approaches 2)Enzyme Inhibitors
8.	10 July 2018	Pharmaceutical approaches
9.	11 July 2018	Incorporation into drug delivery matrix
10.	12 July 2018	Stability aspect Physical degradation Protein Chemical degradation Protein
11.	13 July 2018	Applications
12.	14 July 2018	Recent advantages
13.	15 July 2018	Developing strategies
14.	17 July 2018	Future aspects

Coordinator

V. Sailore
HOD



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Dt: 18/06/2018

PROGRAM REPORT

Name of the Course: A two - weeks Certification course on "Protein and Peptide Drug Delivery"

Date and Duration: 02-07-2018 to 17-07-2018; 2 Weeks

Resource Person: Dr.T. Venkateswara Rao

Contact Details: 8106028250

Mail ID: tvrao250@gmail.coom

Name of the Coordinator: G. Pavani Priya, Assistant Professor

Contact Details: 9652068625

Mail ID: g pavanipriya86@gmail.com

Number of Students Attended: 47

Venue: Classroom F02

Bapatla College of Pharmacy, Bapatla organized the two-week certification course on "Protein and Peptide Drug Delivery".

The program was inaugurated by Dr.V.SaiKishore, Head of the Department of pharmaceutics at Classroom F02.During this two-week session extensive deliberations on the Protein and Peptide Drug Delivery was discussed by the resource person Dr.T.Venkateswara Rao. In addition to that experimentations were also performed the students. On 17th July 2018 valedictory session was conducted and participation certificates were issued to the students. The session ended with the closing remarks of the Coordinator Mrs.G. Pavani Priya.

Objective:

- Define protein and peptide drug delivery.
- Delineate the concept of protein and peptide drug delivery.
- Explain the protein structure and its function.
- Advantages and delivery challenges of protein delivery.

 Discuss the different barriers for drug delivery and physiochemical properties of proteins and peptides.

Topics to be covered:

- · Protein peptide drug delivery- concept, functions, route.
- · Pharmaceutical approaches.
- Incorporation into drug delivery matrix.
- Stability aspects, future application.

Learning outcomes:

- · Barriers for protein and peptide drug delivery.
- · Various routes of drug delivery of proteins and peptides.
- Various approaches for oral drug delivery of proteins and peptide drug delivery system.
- Various strategies for buccal delivery, nasal route, through skin and other routes.
 Various miscellaneous approaches.

COORDINATOR

PRINCIPAL



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Bapatla, Guntur (Dist), Andhra Pradesh -522101

Date: 23-06-2018

CIRCULAR

This is hereby to inform all students of II/IV B. Pharm -1st Sem/3rd Sem that Department of Pharmaceutical chemistry and Analysis is going to conduct a "TWO-WEEK ADD ON PROGRAM ON ORGANIC CHEMISTRY FOR JUSTIFIABLE FUTURE" by K. Poorna Chandra Rao, Assistant Professor, from 09/07/2018 to 24/07/2018. So here by all the students are instructed to register on or before 05/07/2018 and utilize this golden opportunity to abreast knowledge by attending the classes.

Venue: Class room S08

Co-Ordinator: S. Shoba, Assistant Professor, Dept of Pharmaceutical chemistry & Analysis

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Bapatia 522 101

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ABOUT THE COLLEGE:

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ABOUT THE DEPARTMENT:

The Department of Pharmaceutical chemistry & Analysis is well known for its excellence in teaching and research. The faculty members of the department come from high degree profile by well known universities. The faculty members of the department are engaged in state of the art research. The department has made great strides by revising and updating pharmacy syllabus time and again. Chemistry at its most fundamental level, creating sustainable energy, improving the environment, detecting and curing the disease

TWO-WEEK ADD ON PROGRAM
ON
ORGANIC CHEMISTRY FOR
JUSTIFIABLE FEATURE

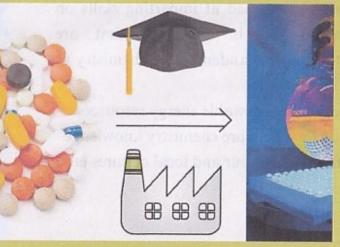
Program duration 09/07/2018 to 24/07/2018

Last date for registration 05/07/2018

Bapatla College of Pharmacy

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(Affiliated to Jawaharlal Nehru Technological
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Bapatla, Bapatla (Dist), Andhra Pradesh -52210





ABOUT THE ADD-ON PROGRAM:

This value add on course is designed to train the participants on the basics of organic chemistry and to provide them an understanding and analyzing the type of reaction like green chemistry, chemical enterprise, environmental chemistry, smart materials, carbon neutral economy etc which is justifiable futures. The fundamentals of the technique and applications will be discussed thoroughly. The significance of organic chemistry for justifiable future will also be explained. The resource person is well experienced in teaching the relevant subject.

TOPICS TO BE COVERED:

Content of the program would touch upon the following aspects to achieve the objectives

 □ The course aimed at imparting skills on advanced field in chemistry that are essential for any students with chemistry as hons. Subject.

□ To explains renewable energy resources.

Muman Endeavour and local cultures etc.,

Registration Form

1.Name

2.Regd number

3. Year of Study

4.Organization

5.Gender

6.Address for correspondence

7.Pin

8. Phone and Email

9. Signature of participants

Signature of the head of the institute
(With official s)

CHIEF PATRON

Office bearers of Bapatla college of pharmacy

CONVENOR

Dr.T. E.Goapala Krishna Murthy
Principal & Professor
Bapatla College of Pharmacy
ORGANISING SECRETARY

Mr I. Sri Krishnajaneyulu – Assistant Professor Department of Pharmaceutical Chemistry

RESOURCE PERSON

Mr. K. Poorna Chandra Rao -Assistant Professor

Department of Pharmaceutical Chemistry
PROGRAM COORDINATOR
Ms. S. Shoba – Assistant Professor

ORGANISING COMMITTEE

Mr. I. Sri Krishnajaneyulu – Assistant Professo Department of Pharmaceutical chemistry Mr. K. Poorna Chandra Rao -Assistant Professo

Department of Pharmaceutical Chemistry

Ms. S. Shoba- Assistant Professor

Department of Pharmaceutical chemistry

STUDENT COORDINATORS

Mr. P.Praveen -II Year B.Pharmacy

Mr. Naveen - II Year B.Pharmacy

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(Affiliated to Jawaharlal Nehru Technological University, Kakinada)

Bapatla, Guntur (Dist), Andhra Pradesh -522101

Department of Pharmaceutical chemistry and Analysis

Name of the Program: A "TWO-WEEK ADD ON PROGRAM ON ORGANIC CHEMISTRY FOR JUSTIFIABLE FUTURE"

PROGRAM SCHEDULE

S.no	Date	Topic
01	09/07/2018	Introduction to clean energy technology.
02	10/0702108	Nanomaterials preparation, characterization and applications
03	11/07/2018	Nanomaterials preparation, characterization and applications
04	12/07/2018	Detailed explanation of Corrosion science and engineering
05	13/07/2018	Detailed explanation of Corrosion science and engineering
06	14/07/2018	Recycling of solid waste material and applications
07	16/07/2018	Recycling of solid waste material and applications
08	17/07/2018	Materials used green chemistry and applications
09	18/07/2018	Materials used green chemistry and applications
10	19/07/2018	Detailed description of chemical enterprises
11	20/07/2018	Detailed description of chemical enterprises
12	21/08/2018	Detailed description of chemical enterprises
13	23/07/2018	Outline of smart material, carbon neutral economy.
14	24/07/2018	Outline of smart material, carbon neutral economy.

S. Shobha Coordinator S. Shoba

HOD K.Ranjith



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(Affiliated to Jawaharlal Nehru Technological University, Kakinada)

Bapatla, Guntur (Dist), Andhra Pradesh -522101

Date: 27-07-2018

PROGRAM REPORT

Name of the Program: A Two Week Add on Program on organic chemistry for justifiable future

Date and Duration: 09-07-2018 to 24-07-2018; 2 WEEKS

Resource Person: K. Poorna Chandra Rao

Assistant Professor

Department of Pharmaceutical chemistry & Analysis

Phone number: 8919215259 Email ID: poorna7575@gmail.com

Program Co-Ordinator: S. Shoba

Assistant Professor

Department of Pharmaceutical chemistry & Analysis

Phone number: 9515499364

Email ID: shobhasingarapalli17@gmail.com

Number of students participated: 92

Venue: S08, Bapatla College of pharmacy

Bapatla College of pharmacy. Bapatla has organized a add on program on organic chemistry for justifiable future for B. pharm second year students by the resource person K. Poorna Chandra Rao. Organic chemistry for justifiable future is used in physical and analytical chemistry to detect, determine, or quantify the molecular and/or structural composition of a sample. Totally 92 students participated in this add on program and after completion of the program students were able to understand the following objectives and learning outcomes.

Objectives:

Linder graduate departments of chemistry & Analysis, Bapatla College of pharmacy, Bapatla offers 15 days certificate course on "ORGANIC CHEMISTRY FOR JUSTIFIABLE FETURE." The course aimed at imparting skills on advanced field in chemistry that are essential for any student with chemistry.

Topics to be covered:

- > Green chemistry overview
- > The chemical enterprises and environment chemistry
- > Smart materials and carbon economy
- > Renewable energy resource, core chemistry knowledge

Learning outcomes: After successful completion of the course

- Students to learn about the scientific methods and gain skills in critical thinking, deductive reasoning, problem solving and communication.
- Correlation with everyday life.
- An understanding of the concepts and theories in chemistry.

Outcome of the Program:

The Bapatla College of Pharmacy, BAPATLA, arranged a highly successful add-on program. The applications of organic chemistry for justifiable future thoroughly taught to the students. Totally 92 students have participated in the program. The student wills able to estimate required succeeding in the chemical industries or professional life.

Signature of the Program Coordinator



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Bapatla, Guntur (Dist), Andhra Pradesh -522101

Dt: 18-08-2018

CIRCULAR

This is hereby to inform all students of III/IV B.Pharm -1st sem /5rd sem that Department of Pharmaceutical chemistry is going to conduct a "TWO-WEEK ADD ON PROGRAM ON COMPUTATIONAL TOOLS USED IN PHARMACEUTICAL RESEARCH" by Mr. K. Poorna Chandra Rao, Assistant Professor, from 03-09-2018 to 18-09-2018. So here by all the students are instructed to register on or before 28-08-2018 and utilize this golden opportunity to abreast knowledge by attending the classes.

Venue: S08, Bapatla College of pharmacy

Coordinator: S. Shobha, Assistant Professor, Dept of Pharmaceutical Chemistry & Analysis

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Bapatla 522 101

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ABOUT THE COLLEGE

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ABOUT THE DEPARTMENT

Department of Pharmaceutical chemistry & Analysis is well known for its excellence in teaching and research. The faculty members of the department come from high degree profile by well known universities. The faculty members of the department are engaged in state of the art research. The department has made great strides by revising and updating pharmacy syllabus time and again. Chemistry at its fundamental level, creating most sustainable energy, improving the environment, detecting and curing the disease and development material with new properties.

ABOUT THE ADD-ON PROGRAM

This value add on course is designed to train the participants on the basic concept of Molecular modeling for drug discovery. Molecular modeling describes the generation, manipulation (or) representation of three dimensional structures of molecules and associated physico-chemical properties. They enable participants to understand the structure and behavior of molecule, predict their interactions. The resource person is well experienced in teaching the relevant subject.

TOPICS TO BE COVERED

Content of the program would touch upon the following aspects to achieve the objectives

- · Introduction of molecular modeling
- · What is the role of target identification
- · What is a lead in drug discovery
- Pharmacophore modeling and docking techniques

TWO -WEEK ADD ON PROGRAM ON "COMPUTATIONAL TOOLS USED IN PHARMACEUTICAL RESEARCH"

03 rd Sept to 18 th Sept
2018
organized by
Department of
pharmaceutical chemistry &
Analysis



Bapatla college of Pharmacy
(sponsered by Bapatla Educational Society)
(Approved by Affliated to PCI and JNTU
Kakinada) Bapatla, Guntur(dst) Andhra
Pradesh-522101

ADDRESS ROR COMMUNICATION

S. Shobha
Assistant Professor
Department of pharmaceuteal chemistry
Phone number 9515499364
Email:
shobhasingarapalh7@gmail.com

Last date of Registration on before 28-08-2018

ORGANIZING COMMITTEE

Patron: Office Bearers of Bapatla Educational

Society

CONVENOR

Dr.T. E.Goapala Krishna Murthy Principal

ORGANISING SECRETARY

K. Ranjith, Associate Professor, Department of

Pharmaceutical Analysis

RESOURCE PERSON

Mr K. Poorna Chandra rao, Assistant Professor,

Department of Pharmaceutical Chemistry

PROGRAM COORDINATOR

Ms. S.Shobha, Assistant Professor

ORGANISING COMMITTEE

Ms. Poonguzhali ,Assistant Professor

Mr I. Krishnanjaneyulu , Assistant Professor

STUDENT COORDINATORS .

Mr. K. Satish- III Year B. Pharmacy

Ms. C.Sukanya - III Year B.Pharmacy

REGISTRATION FORM

- LNAME
- 2. REGD NUMBER:
- 3. YEAR OF STUDY:
- 4. ORGANIZATION
- 5. SEX(MALE/FEMALE)
- 6. ADDRESS FOR CORRESPONDENCE
- 7. PIN:
- 8. PHONE:
- 9. EMAIL:

Signature of participant

Signature of the head of the institute(with official seal)

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Department of Pharmaceutical chemistry

Name of the Program: A TWO-WEEK ADD ON COMPUTATIONAL TOOLS USED IN PHARMACEUTICAL RESEARCH

PROGRAM SCHEDULE

Sno	Date	Topic
01	03-09-2018	Introduction of computer aided drug design
02	04-09-2018	Lecture on Structure based drug design
03	05-09-2018	Lecture on Ligand based drug design with examples
04	06-09-2018	Introduction to various tools
05	07-09-2018	Over view of Chem Draw
06	08-09-2018	Training on Chem Draw
07	10-09-2018	Lecture on importance of Auto Dock
08	11-09-2018	BIO VIA discovery studio
09	12-09-2018	Introduction on PyMOL
10	14-09-2018	Training on PyMOL
11	15-09-2018	introduction on PYRX
12	16-09-2018	Chimera
13	17-09-2018	Schrodinger suite
14	18-09-2018	Open discussion and valedictory session

S. Shobha · Coordinator S. Shobha

HOD K. Ranjith



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Bapatla, Guntur (Dist), Andhra Pradesh -522101

Date: 24-09-2018

PROGRAM REPORT

Name of the Program: A TWO-WEEK ADD ON PROGRAM ON COMPUTATIONAL USED IN PHARMACEUTICAL RESEARCH

Date and Duration: 03-09-2018 to 18-09-2018; 2 WEEKS

Resource Person: Mr. K. Poornachandra rao

Assistant Professor

Department of Pharmaceutical Chemistry

Phone number: 9885071976

Email ID: poorna7575@gmail.com

Program Co-Ordinator: S. Shobha

Assistant Professor

Department of Pharmaceutical Chemistry

Phone number: 9515499364

Email ID: Shobhasingarapalli17@gmail.com

Number of students participated: 46

Venue: S08, Bapatla College of pharmacy

Bapatla College of pharmacy. Bapatla has organized an add on program on "Computational tools used in Pharmaceutical Research" for B.pharm third year students by the resource person Mr. K. Poornachandra rao. Computational methods in drug discovery allow rapid screening of a large compound library and determination of potential binders through modeling or stimulation and visualization techniques. Totally 46 students participated in this add on program and after completion of the program students were able to understand the following objectives and learning outcomes.

Objectives:

- Students able to recognize 2D and 3D rendering of molecules, calculating molecular properties, generating chemical names and performing basic molecular modeling tasks.
- They will able to understand pymol tool. It is used to view, rotate, translate, and change the
 representation of objects. It is a powerful utility for studying Proteins, DNA &Other Biological
 methods.
- The main objective of molecular modeling is to investigate the structure, dynamics, surface properties and thermodynamics of inorganic, biological and polymeric systems.

Topics to be covered:

- How to use computational tools in pharmaceutical research
- Introduction of computer aided drug design
- · What is structure based drug design
- Lecture on Ligand based drug design with examples

Learning outcomes: After successful completion of the course the students are able to

- To know how to use these tools in drug design.
- How to screen libraries of compounds against potential drug target.
- To know how to perform basic molecular modeling tasks, calculating molecular properties and generating chemical names.

Outcome of the Program:

The Bapatla College of Pharmacy, Bapatla, arranged a highly successful add-on program. They enable students to understand the structures which are use in database queries, to prepare the graphics for lab reports and journal articles and also calculating molecular properties, generating chemical names and electronic description of molecules and reactions. Totally 46 students are participated in the program. The Student will able to understand the concept of various CADD used in pharmaceutical research.

Signature of the Program Coordinator



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Date: 18-08-18

CIRCULAR

All the III / IV B.Pharmacy Students are here by informed that the Department of Pharmacognosy is organizing a two week Certification course on "Organic Farming – Relevance, Problems and Constraints" by J.V.Suresh from 03-09-18 to 18-09-18. So the interested students can register their names at the respective department on or before 31-8-18 and utilise this opportunity.

Venue: Seminar Hall (S06)

Coordinator: Mrs. Neelam Begum, Assistant Professor

PRINCIPAL

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Bapatla College of Pharmacy
Bapatla 522 101

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ABOUT THE COURSE

This course is aimed to improve the knowledge of the student towards farming holistic in approach. It helps the student understand the effects of usuage of pesticides on health and how it degrades the environment increasing the pollution. The student will understand the importance of organic farming, different challenges faced. It helps to maintain sustainable agriculture conserving the fetility of the soil. Due to awareness in the public organic products, there is an opportunity for establishing start up for such products. Organic products help to maintain good health.

Bapatla College of Pharmacy is one founded and run by Bapatla Educational Society (Estd.1962). It with requisite infrastructure facilities and competent human resources: The College is one of the "oldest and reputed pharmaceutical institutions in the state of Andhra Pradesh. It is Govt approved FR &D centre in its

Dr. J.V. SURESH
Professor

Department of Pharmacognosy Bapatla College of Pharmacy



OF PHARMACY

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Approved by AICTE, PCI, New Delhi &
Affiliated to JNTUK, Kakinada
BAPATLA

A TWO WEEK
CERTIFICATION COURSE
ON

ORGANIC FARMING RELEVANCE,
PROBLEMS &
CONSTRAINTS



Last date for registration: 31-8-18

ABOUT THE DEPARTMENT

Department of Pharmacognosy is engaged in the study of drugs from natural products. Research areas include extraction, isolation, characterization and biological studies of phytoconstituents using animal models. The department also delas with development and standardisation of novel herbal formulations. The department also organizes seminars and workshops on current topics at regular intervals. The institute also developed a medicinal garden having varied species of plants.

> Contact: 9182613089 9666810156

Convenor Dr. TEGK.Murthy

Principal, Bapatla College of Pharmacy

Program Coordinator Mrs. Neelam Begum

Assistant Professor Department of Pharmacology

Organising secretary Dr. K. Rajya Lakshmi

AssiociateProfessor
Department of Pharmaceutics

Organising Committee

Mrs. M. Sukanya

Assistant Professor Department of Pharmaceutics

Annie Mande

Assistant Professor
Department of Pharmacology

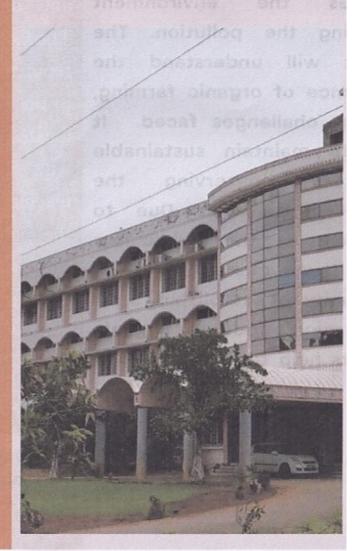
Student Coordinators

Ms.B. Bhavana III Year B.Pharmacy

Mr. Sy. Nagul Sharief
III Year B.Pharmacy

KEY HIGHLIGHTS

- Organic farming and practices
- Benefits
- Challenges faced
- Present market for organic products





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SCHEDULE FOR THE PROGRAM

Name of Programme : A two - weeks Certification course on "Organic Farming - Relevance, Problems and Constraints"

S.No	Day	Schedule
1.	03-09-18	Inauguration of session with introductory speech by Dr. TEGK Murthy, Principal followed by lecture by Dr. J. Suresh on introduction to Farming Practices.
2.	04-09-18	Introduction to Organic farming, Cultivation map in India.
3.	05-09-18	Advantages and benefits of Organic farming.
4.	06-09-18	Role of pesticides in growth of plants.
5.	07-09-18	Effect of pesticides in human health.
6.	08-09-18	Water pollution and conservation
7.	109-18	Importance of sustainable agriculture
8.	11-09-18	Effects of Modern Farming Technology
9.	12-09-18	Integrated organic farming systems
10.	13-09-18	Environmental benefits of organic agriculture
11.	14-09-18	Evaluation of farm waste recycling technique for organic farming
12.	15-09-18	Biochemical characterisation and molecular identification of microbial population of different organic manures
13.	17-09-18	Plantation program in campus
14.	18-09-18	Present market of organic products.

COORDINATOR

P.W_



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Date: 20-09-18

PROGRAM REPORT

Name of the Course A two - weeks Certification course on "Organic

Farming - Relevance, Problems and

Constraints".

Date 03-09-18 - 18-09-18

Resource Person Dr. Jilakara Suresh

Professor

Department of Pharmacognosy

9866882091

Name of the Program Coordinator Mrs. Neelam Begum

Assistant Professor

Contact Details 9666810156

Mail ID neelammpharm@gmail.com

Number of Students Attended 47

Venue Seminar Hall, Second Floor(S06)

Bapatla College of Pharmacy, Bapatla organized the two-week certification course on "Organic Farming - Relevance, Problems and Constraints".

The program was inaugurated by Dr. TEGK Murthy, Principal, on 3 September 2018 at Seminar Hall. During this two week session extensive deliberations on benefits and challenges of organic farming, effect of pesticides on health, how to attain sustainable agriculture etc was discussed by the resource person Dr. J. Suresh. In addition to lectures by the resource person, case studies were also discussed. On 18 September 2018, valedictory session was conducted and participation certificates were issued to the attendees. The session ended with the closing remarks of the Program Coordinator Mrs. Neelam Begum.

Objectives:

The ultimate goal of this course is

- · Improve efficiency of nutrient use to produce more robust crops
- · To encourage biological cycles within farming system
- · To make understand holistic cultivation method
- · To maintain sustainable agriculture
- · Importance of reducing use of pesticides.

Learning Outcomes:

After completion of this course the students are able to:

- · Develop critical understanding on various aspects of farming.
- · Effect of pesticides on health, environment, soil and water.
- · Recycling farm waste.
- know the benefits of organic culture.
- To gain knowledge about the staple food crops and their cultivation practices.
- Understand new crop management practices.
- Gain information about the impact of organic farming and indigenous practices on environment.

Overall summary of the Program:

The Department of Pharmacognosy has organised a two week certification program on "Organic Farming – Relevance, Problems and Constraints". The importance of organic farming, benefits, how to practice sustainable agriculture, how to preserve soil fertility were discussed in the course. About 47 students from III B.Pharm has attended the course and achieved their certificates. The students will understand holistic approach of agricultural methods by this course.

COORDINATOR



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Bapatla, Guntur (Dist), Andhra Pradesh -522101

Dt: 15-11-2018

CIRCULAR

This is hereby to inform all students of I/II M. Pharm -1st sem that Department of Pharmaceutical Chemistry & Analysis is going to conduct a "TWO-WEEK ADD ON PROGRAM ON INSIGHTS ON ADVANCED NMR TECHNIQUES" by K. Ranjith, Associate Professor from 01-12-2018 to 17-12-2018. So here by all the students are instructed to register on or before 26-11-2018 and utilize this golden opportunity to abreast knowledge by attending the classes.

Venue: Classroom F13

Coordinator: Y. Sushma, Assistant Professor, Dept of Pharmaceutical Chemistry & Analysis.

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PRINCIPAL Bapatla College of Pharmacy Bapatla 522 101

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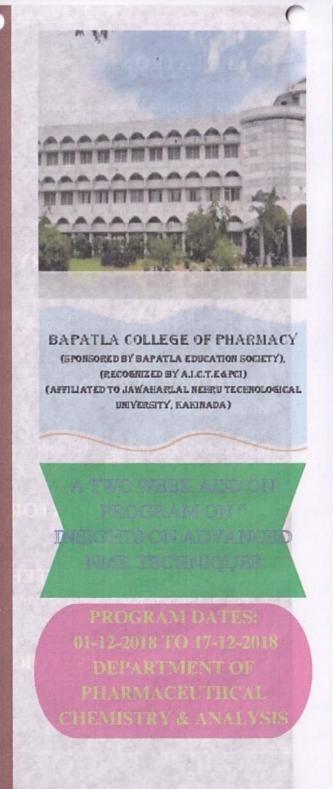
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ABOUT COLLEGE:

Bapatla College of Pharmacy is one of the seven educational institutions founded and run by Bapatla Educational Society (Estd 1962). It is one of the first private pharmacy colleges established in the year 1995 with requisite infrastructure facilities and competent human resources. The college is located in 55 acres green campus with 50.000 sq. ft. state of the art teaching and laboratory facilities. The college houses a FR&D centre in collaboration with INNOVIND Pvt Ltd. vijayawada and CPCSEA approved animal house facility.

ABOUT DEPARTMENT:

The Department of Pharmaceutical Analysis, is committed to excellence in the field of same to produce a competent pharmaceutical analyst to meet the current scenario of pharmaceutical industries. The department aims to focus on the development of analytical methods using new combinations of established instrumentation and approaches. A broad knowledge of pharmaceutical analysis is disseminated to the students by a team of inspired and enthusiastic faculty members who are involved in teaching and learning process. The department mainly involves in qualitative and quantitative analysis of natural and synthetic compounds using spectroscopy, chromatography and various other analytical techniques.



ABOUT ADD-ON PROGRAM:

This value add on course is designed to train the participants on the basics of Advanced NMR techniques and to provide them an understanding and analysing the NMR spectral data, that facilitate skills and extend their interest in different areas. The fundamentals of the technique, instrumentation and applications will be discussed thoroughly. The significance of NOESY & COSY technique will also be explained. The resource person is well experienced in teaching the relevant subject.

TOPICS TO BE COVERED:

Content of the program would touch upon the following aspects to achieve the objectives

- Basic theory and fundamentals of NMR spectroscopy
- · Principle of NMR spectroscopy
- Types of techniques like NOESY & COSY
- Factors influencing chemical shifts
- Instrumentation
- Detectors
- · Applications
- Interpretation of NMR spectrum

ADDRESS FOR COMMUNICATION

Y. Sushma Assistant professor Dept of Ph. Chemistry and Analysis Contact: 7013950117

Email-id:

sushma4venu@gmail.com

CHIEF PATRON

CONVENOR

ORGANISING SECRETARY

RESOURCE PERSON

PROGRAM COORDINATOR

ORGANISING COMMITTEE

STUDENT COORDINATORS

RESTRATION FORM:

- LNAME:
- 2. REGISTRATION NUMBER:
- 3. YEAR OF STUDY:
- 4. SEX (MALE /FEMALE):
- 5. ADDRESS FOR CORRESPONDANCE:
- 6. ORGANIZATION:
- 7. PIN:
- 8. PHONE:
- 9. E-MAIL ID:

SIGNATURE OF THE PARTICIPANT

SIGNATURE OF THE HEAD OF THE INSTITUTE

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Bapatla, Guntur (Dist), Andhra Pradesh -522101

Department of Pharmaceutical Chemistry & Analysis

Name of the Program: A TWO-WEEK ADD ON PROGRAM ON INSIGHTS ON ADVANCED NMR TECHNIQUES

PROGRAM SCHEDULE

S.No	Date	Topic
1.	01-12-2018	Introduction to NMR
2.	03-12-2018	Fundamental principles and theory
3.	04-12-2018	Flow chart of Instrumentation
4.	05-12-2018	Types of NMR solvents
5	06-12-2018	Concept of Chemical Shift
6	07-12-2018	Factors affecting chemical shift
7	08-12-2018	Spin-Spin Coupling, Coupling constant
8	10-12-2018	Introduction, theory and principle of 1H- NMR
9	11-12-2018	Introduction, Theory and principle of 13 C-NMR technique
0	12-12-2018	Introduction, theory and principle of 2D-NMR
1	13-12-2018	Introduction, theory and principle of NOE
2	14-12-2018	Introduction, theory and principle of NOESY
3	15-12-2018	Introduction, theory and principle of COSY
4	17-12-2018	Applications

Coordinator Y. Sushma HOD K. Ranjith Sponsored by Bapatla Education Society), (Recognized by A.I.C.T.E&PCI)

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Bapatla, Guntur (Dist), Andhra Pradesh -522101

Dt: 20-12-2018

PROGRAM REPORT

Name of the Program: A Two-week Add on program on INSIGHTS ON ADVANCED NMR TECHNIQUES

Date & Duration:

01-12-2018 TO 17-12-2018; 2 WEEKS

Resource person:

Mr. K. Ranjith Associate Professor

Department of Pharmaceutical Chemistry & Aanalysis

Phone number: 9491668829

Email ID: ranjith.kapu@gmail.com

Program Coordinator:

Y. Sushma

Assistant Professor

Department of Pharmaceutical Chemistry & Analysis

Phone number: 7013950117

Email ID: sushma4venu@gmail.com

Number of students participated: 23

Venue: Final year class room, Bapatla College of pharmacy

Bapatla college of pharmacy, Bapatla has organized an add on program on "Insights on Advanced NMR techniques" for M. pharm first year students by the resource person Mr. K. Ranjith. The NMR spectroscopy is an advanced characterization technique used to determine the molecular structure at the atomic level of the sample and knowledge about advanced NMR techniques provides a detailed information about the number and location of hydrogen atoms in a molecule in natural and synthetic molecules. Totally 23 students participated in this add on program and after completion of the program students were able to understand the following objectives and learning outcomes.

Objectives:

- To know the basic principle of NMR Spectroscopy
- To aware of some important terms like chemical shifts, coupling constant etc
- · To explain how NMR works with the flow chart of instrumentation
- · To focus on theory and principles of various advanced techniques
- · To Illustrate the applications
- To Interpret the data for structural characterization

Topics to be covered:

- Fundamental Principles of NMR spectroscopy
- Instrumentation
- Types of advanced NMR techniques like 2D, NOE, NOESY and COSY
- Applications
- Spectral data interpretation

Learning outcomes: By the completion of the program the student come to know about

- Principle of NMR spectroscopy: how nuclear spins are affected by a magnetic field
- Some relative terms like chemical shift, coupling constant, signal splitting etc
- Working of NMR spectrometer
- Different techniques of NMR like 2D, NOE, NOESY and COSY
- · Interpretation of spectra
- No of different types of protons from no of signals
- · Types of environments of neighboring protons from Splitting of peaks
- · Chemical shift: a diagnostic feature for molecular structure determination
- · Integration of peaks
- Calculating coupling constant

Outcome of the program:

The Bapatla College of Pharmacy, Bapatla, arranged a highly successful add-on program. The importance of Advanced techniques of NMR spectroscopy, thoroughly taught to the students. Totally 23 students have participated in the program. The student will able to take and interpret the NMR spectrum confidently.

Signature of the Program Coordinator