



KRUPANIDHI COLLEGE OF PHARMACY

(Approved by AICTE & PCI, New Delhi, Affiliated to RGUHS, Bengaluru)
Accredited with Grade 'A' by NAAC, Bengaluru | ISO 9001 - 2015 Certified
12/1, CHIKKA BELLANDUR, CARMELARAM POST, VARTHUR HOBLI, BANGALORE - 560 035



5.1.3 Capacity building and skills enhancement initiatives taken by the institution

ICT/computing skills

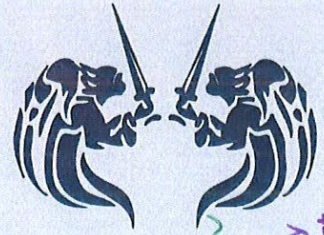
| SI No | Name of the Document | Link the Document |
|-------|--|----------------------------|
| 1 | JMP SOFTWARE | Click here |
| 2 | R STUDIO SOFTWARE-BIOSTATISTICS | Click here |
| 3 | AUTO DOCK, ARGUS LAB - DOCKING STUDIES | Click here |
| 4 | MOE SOFTWARE FOR QSAR | Click here |
| 5 | TOXTREE- ADMET | Click here |
| 6 | EXPHARMA SERIES SOFTWARE | Click here |

For the Year

2020-2021

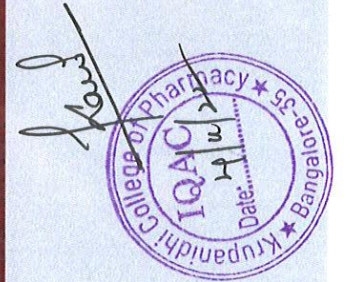
KRUPANIDHI COLLEGE OF PHARMACY

RECOGNISED BY GOVT OF KARNATAKA |
APPROVED BY PHARMACY COUNCIL OF INDIA |
AICTE, NEW DELHI AND AFFILIATED TO RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES
| AN ISO 9001:2015 CERTIFIED INSTITUTION
NAAC 'A' GRADE ACCREDITED
#12/1, CHIKKABELANDHUR, CARMELARAM POST, BANGALORE-560 035



Handwritten signature
PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035

*JMP
Software*



2/11/2020





DATE: 30.10.2020

CIRCULAR

This is to inform all the B Pharm, M Pharm, Pharm D students that, the college is organizing the **JMP Software Programm-Formulation Development** training program on 2.11.2020. All the interested students can attend the program.

PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035

Principal

Kaw
8/10/22





KRUPANIDHI COLLEGE OF PHARMACY

AICTE, PCI, RGUHS approved, NAAC "A" and ISO certified



KRUPANIDHI COLLEGE OF PHARMACY, BANGALORE

M Pharm, Dept. of Quality Assurance, 2020-21

JMP (statistical software)

- ❖ JMP (pronounced "jump") is a suite of computer program for statistical analysis developed by the JMP business unit of SAS Institute.
- ❖ At Krupanidhi College of Pharmacy, we extensively use **JMP® 13.2.1 software (Academic license from SAS, SAS Institute, Cary, NC, USA)**. for performing statistical analysis of data generated through students' academic projects.

Beneficiaries of the Software:

I and II M Pharm students (Dept. of Quality Assurance) undertaking academic projects are the primary beneficiaries of the tool. The software is also used to provide hands on training for IV B Pharm students on application of software in product development.

Syllabus/Content of the Program (M Pharm- I and II SEM, QA Dept.)

Practical's- 8 hrs/week

1. Case study - Total Quality Management
2. Case study - Six Sigma
3. Case study Deviations,
4. Case study - Out of Specifications (OOS)
5. Case study - Out of Trend (OOT)
6. Case study - Corrective & Preventive Actions (CAPA)
7. Case study - Deviations
8. Case study -Development of Stability study protocol
9. Case study- Estimation of process capability
10. Case study -Application of QbD


PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035

Students List with Project undertaken by the utilization of JMP software:

| SI. NO | STUDENT NAME | PROJECT TITLE | GUIDE NAME |
|--------|--------------|---------------|------------|
| . | | | |





KRUPANIDHI COLLEGE OF PHARMACY



AICTE, PCI, RGUHS approved, NAAC "A" and ISO certified

| | | | |
|---|-----------------------------------|---|----------------|
| 1 | ANITA RANI SAHOO (19PQ022) | DEVELOPMENT AND CHARECERIZATION OF ORALLY DISINTEGRATING TABLETS OF BCS CLASS III VSAODILATOR DRUG IN A QbD FRAMEWORK | CHANDRAMOULI R |
| 2 | JAMES SOUNDER DEVDAS (19PQ023) | DEVELOPMENT AND CHARECTERIZATION OF A NOVEL BCS CLASS I ANTIEMETIC DRUG LOADED ORAL DISSOLUTION FILM IN A QbD FRAMEWORK | CHANDRAMOULI R |
| 3 | MANJUNATH KALLEDA (19PQ024) | QbD BASED DEVELOPMENT OF FAST DISSOLVING BUCCAL FILM OF CETRIZINE | KAVITHA A N |
| 4 | MANOHAR S K (19PQ025) | DEVELOPMENT OF RISK ASSESSMENT BASED PROCESS DESIGN FOR A NOVEL DRUG LOADED ORAL DISSOLUTION FILMS IN ITS DEVELOPMENT STAGE AND ITS CONTROL STRATEGY | CHANDRAMOULI R |
| 5 | MOHAN KUMAR D S (19PQ026) | QbD BASED DEVELOPMENT OF TRANSDERMAL PATCHES OF MELOXICAM | KAVITHA A N |
| 6 | NAMRATHA N (19PQ027) | SIMULTANEOUS ESTIMATION OF SOFOSBUVIR, VELPATASVIR AND VOXILAPREVIR COMBINATION IN BULK AND MARKETED FORMULATIONS BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY IN A QUALITY BY DESIGN APPROACH | KAVITHA A N |
| 7 | PARIMI BHARATI (19PQ028) | DEVELOPMENT AND CHARECTERIZATION OF NOVEL BCS III ANTIMIGRAINE ORAL DISINTEGRATION TABLETS IN A QbD FRAMEWORK | CHANDRAMOULI R |
| 8 | PRABHU SONAM PRADEEP (19PQ029) | QUALITY BY DESIGN BASED NEW STABILITY INDICATING HIGH PERFORMANCE LIQUID CHROMATOGRAPHY METHOD FOR SIMULTANEOUS ESTIMATION OF EMPAGLIFOCIN, LINAGLIPTIN AND METFORMIN IN BULK AND MARKETED FORMULATIONS | KAVITHA A N |



PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035



KRUPANIDHI COLLEGE OF PHARMACY

AICTE, PCI, RGUHS approved, NAAC "A" and ISO certified



| | | | |
|----|----------------------|---|----------------|
| 9 | PRAGATHI V (19PQ030) | QbD BASED DEVELOPMENT OF NOVEL SELF EMULSIFYING DRUG DELIVERY SYSTEM OF ROSUVASTATIN | KAVITHA A N |
| 10 | VARSHINI S (19PQ031) | QbD BASED DEVELOPMENT AND VALIDATION FOR THE ESTIMATION OF BICTEGRAVIR, EMITRICITABIN AND TENOFOVIR, COMBINATIONS IN BULK AND MARKETED FORMULATIONS | CHANDRAMOULI R |

First SEM Students List

| Sl. No | Student |
|--------|------------------|
| 1. | Pavan B |
| 2. | Prajwala S |
| 3. | Punith Kumar V |
| 4. | Tangku Lepcha |
| 5. | Prasanth Kumar C |
| 6. | Ramya shree PR |
| 7. | Swapna G |
| 8. | Anusree S Kumar |

Activities performed using JMP:

- ❖ Pharmaceutical formulation development:
 - ✓ Representing the risk involved in the product development- Inshikawa diagram.
 - ✓ Statistical Design of experiment.
 - ✓ DoE Evaluation/Model Fit.
 - ✓ Validation of the selected design.
 - ✓ Optimized formulation development.

Software Utilization in Krupanidhi College of Pharmacy:


PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandür, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035






KRUPANIDHI COLLEGE OF PHARMACY
AICTE, PCI, RGUHS approved, NAAC "A" and ISO certified



Since 2016, JMP has been used extensively in Krupanidhi College of Pharmacy for M PHARM student project purpose:

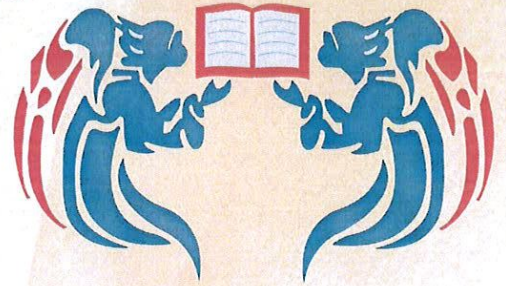
1. Total projects involving JMP : 10
2. Total students utilized JMP for academic practical's : 08
3. Total papers published using JMP as statistical tool : 04




PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035

KRUPANIDHI COLLEGE OF PHARMACY

**RECOGNISED BY GOVT OF KARNATAKA |
APPROVED BY PHARMACY COUNCIL OF INDIA |
AICTE, NEW DELHI AND AFFILIATED TO RAJIV GANDHI
UNIVERSITY OF HEALTH SCIENCES
NAAC 'A' GRADE ACCREDITED
#12/1, CHIKKABELANDHUR, CARMELARAM POST, BANGALORE-560 035**



R Studio software

Biostatistics

2/11/2020

[Signature]
PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post
Varthur, Bangalore-560 035





KRUPANIDHI COLLEGE OF PHARMACY

AICTE, PCI, RGUHS approved, NAAC "A" and ISO certified



DATE: 30.10.2020

CIRCULAR

This is to inform all the B Pharm, M Pharm, Pharm D students that, the college is organizing the **R Studio software-Biostatistics** training program on 2.11.2020 . All the interested students can attend the program.

PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035

Kavi
8/10/22



Principal



KRUPANIDHI COLLEGE OF PHARMACY

AICTE, PCI, RGUHS approved, NAAC "A" and ISO certified



KRUPANIDHI COLLEGE OF PHARMACY, BANGALORE

R Studio & EZR- 2020-21

- ❖ R is a free software environment for statistical computing and graphics. It compiles and runs on a wide variety of UNIX platforms, Windows and MacOS.
- ❖ EZR is a graphical user interface for R based on R commander.
- ❖ At Krupanidhi College of Pharmacy, we extensively use EZR and R foundation package for performing statistical analysis of data generated through students' academic projects.

Beneficiaries of the Software:

V & VI PharmD students undertaking academic projects are the primary beneficiaries of the tool. The software is also used to provide hands on training for IV PharmD students on Biostatistics.

Activities performed using EZR Interface for R:

- ❖ Sample size estimation for pharmacoepidemiologic and clinical interventional studies involving human participants as follows:
 - ✓ Sample size estimation from control and desired response rates.
 - ✓ Sample size estimation from proportion and confidence interval.
 - ✓ Sample size estimation for comparison with specified proportion.
 - ✓ Power calculation for comparison with specified proportion.
 - ✓ Sample size estimation for non-inferiority trial of two proportions.
 - ✓ Sample size estimation from standard deviation and confidence interval.
 - ✓ Sample size and power calculation for comparison between two means.
 - ✓ Sample size and power calculation for comparison and non-inferiority trial of two survival curves and two paired means.
- ❖ Perform the following descriptive summary and inferential statistics involving discrete and continuous variables.
 - ✓ Frequency distributions
 - ✓ Assess data normality using Q-Q plot and Shapiro-Wilk test.
 - ✓ Compute measures of central tendency and dispersion.
 - ✓ Construct relevant graphs and charts for given statistical tests.

Kawi
8/10/22



[Signature]
PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandür, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035



KRUPANIDHI COLLEGE OF PHARMACY

AICTE, PCI, RGUHS approved, NAAC "A" and ISO certified



- ✓ Perform parametric (Unpaired t-test, paired t-test and ANOVA) and non-parametric tests (Mann-Whitney U, Wilcoxon Rank Sum and Kruskal Wallis test) for comparison.
- ✓ Perform Pearson's Product Moment Correlation and Spearman's Ranked Correlation of continuous variables.
- ✓ Perform Chi-square and Fisher's Exact test to associate dichotomous variables.
- ✓ Perform post-hoc analysis of variables involving ordinary and repeated measures: Bonferroni corrections.

Software Utilization in Krupanidhi College of Pharmacy:

Since 2018, EZR has been used extensively in Krupanidhi College of Pharmacy for V year PharmD project statistical analysis purpose:

1. Total students utilized EZR for academic projects : 30
2. Total students trained in EZR for statistical analysis : 30 (Beginner level proficiency)



Kai
8/10/22



[Signature]
PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035



KRUPANIDHI COLLEGE OF PHARMACY

AICTE, PCI, RGUHS approved, NAAC "A" and ISO certified



LIST OF STUDENTS

| SL NO | PROGRAM NAME | NAME OF THE STUDENT |
|-------|--------------|-----------------------|
| 1 | V Pharm D | Ms. AbhiramiEby |
| 2 | V Pharm D | Ms. Amrutha Mohan |
| 3 | V Pharm D | Ms.Arathi,M |
| 4 | V Pharm D | Mr. Archit Jain |
| 5 | V Pharm D | Ms. BesteenRinjuRajen |
| 6 | V Pharm D | Ms.B. DefriaZeneth |
| 7 | V Pharm D | Ms. EleenaBijo |
| 8 | V Pharm D | Ms. Elizabeth Jacob |
| 9 | V Pharm D | Ms. Elsa Jacob |
| 10 | V Pharm D | Mr. Lanish Wilson |
| 11 | V Pharm D | Mr. Mahammad Asir. M |
| 12 | V Pharm D | MamillapallyLoukya |
| 13 | V Pharm D | Ms. Merlin Mary Sabu |
| 14 | V Pharm D | Mr. Pavan.M |
| 15 | V Pharm D | Mr. Pavan . N |
| 16 | V Pharm D | Ms. PharidaThubru |
| 17 | V Pharm D | Mr. Rajeshkumar Dutta |
| 18 | V Pharm D | Ms. Shiji John |
| 19 | V Pharm D | Ms. Shyno Abraham |
| 20 | V Pharm D | Mr. Sidharth |
| 21 | V Pharm D | Ms. Subhiksha. V |
| 22 | V Pharm D | Ms.TheerdhaDhar |
| 23 | V Pharm D | Ms. Thendral. R |
| 24 | V Pharm D | Ms. Triveni . L |
| 25 | V Pharm D | Sarah Philip Panicker |
| 26 | V Pharm D | Y Bee Be Fathima |

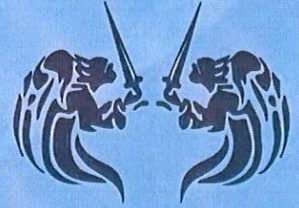
PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandür, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035



KRUPANIDHI COLLEGE OF PHARMACY

RECOGNISED BY GOVT OF KARNATAKA |
APPROVED BY PHARMACY COUNCIL OF INDIA |
AICTE, NEW DELHI AND AFFILIATED TO RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES
| AN ISO 9001:2015 CERTIFIED INSTITUTION
NAAC 'A' GRADE ACCREDITED

#12/1, CHIKKABELANDHUR, CARMELARAM POST, BANGALORE-560 035

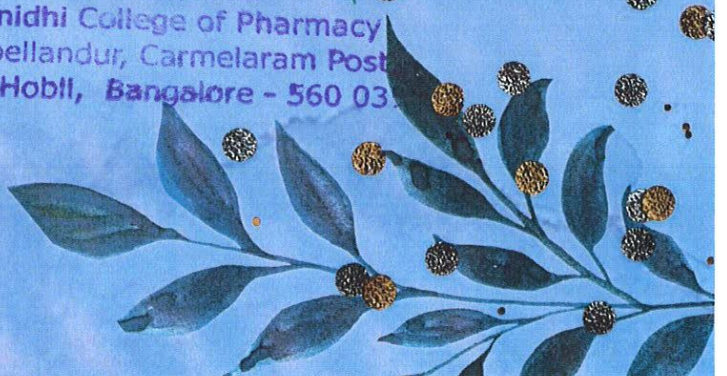


Autodock, Arguslab - Docking studies

2/11/2020

PRINCIPAL

Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post
Varthur Hobli, Bangalore - 560 035





KRUPANIDHI COLLEGE OF PHARMACY

AICTE, PCI, RGUHS approved, NAAC "A" and ISO certified



DATE: 30.10.2020

CIRCULAR

This is to inform all the B Pharm, M Pharm, Pharm D students that, the college is organizing the **Autodock Software** training program on 2.11.2020 . All the interested students can attend the program.

Principal

Kavi
0/10/22



PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035



KRUPANIDHI COLLEGE OF PHARMACY, BANGALORE

AUTODOCK- 2020-21

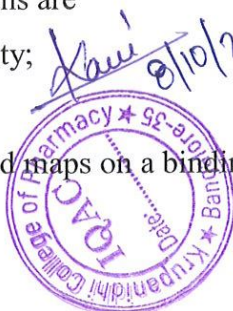
- Autodock is free software used for docking small molecules into a known protein structure, is a powerful tool for drug design and has become an integral part of the drug discovery process.
- Two generations of software are available namely AutoDock4 and AutoDockvina. AutoDock-GPU was developed, an accelerated version of AutoDock4 that is hundreds of times faster than the original single-CPU docking code.
- The current version of AutoDock, using the Lamarckian Genetic Algorithm and empirical free energy scoring function.
- At Krupanidhi College of Pharmacy, we extensively use AutoDock4 and AutoDockvina for performing docking studies for students' academic projects.

Beneficiaries of the Software:

V & VI Pharm D students undertaking academic projects are the primary beneficiaries of the tool. The software is also used to provide hands on training for M Pharm Pharmacology and Ph Chemistry students on Drug design.

Activities performed using Autodock:

- Auto Dock offer the advantage of delivering new drug candidates more quickly and at a lower cost.
- The use of complementary experimental and informatics techniques increases the chance of success in many stages of the discovery process.
- It is designed to predict how small molecules, such as substrates or drug candidates, bind to a receptor of a known 3D structure.
- AutoGrid generates an electrostatic potential grid map and a desolvation map. The full set of grid maps and the flexible part of the receptor are used by AutoDock to guide the docking process of the selected ligands.
- PDB and PDBQT file formats are mostly used for input and output files.
- AutoDock's main strengths are
 - (i) receptor flexibility;
 - (ii) blind-docking;
 - (iii) precalculated grid maps on a binding site;




PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035



(iv) free-energy scoring function based on linear regression analysis, the AMBER force field, and a large set of protein-ligand complexes with known inhibition constants; and

(v) good correlation between predicted inhibition constants and experimental data.

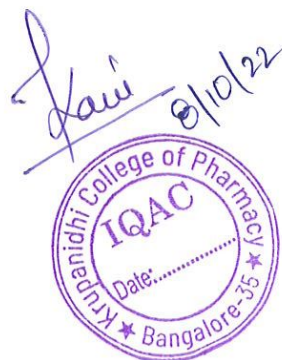
● Perform the following descriptive summary:

- ✓ X-ray crystallography;
- ✓ Structure-based drug design;
- ✓ Lead optimization;
- ✓ Virtual screening (HTS);
- ✓ Combinatorial library design;
- ✓ Protein-protein docking;
- ✓ Chemical mechanism studies

Software Utilization in Krupanidhi College of Pharmacy:

Since 2019, Autodock has been used extensively in Krupanidhi College of Pharmacy for V Pharm D, M Pharm Ph Chemistry and Pharmacology for project in drug design:

1. Total projects involving Autodock : 10
2. Total students utilized Autodock for academic projects : 10
3. Total papers published using Autodock : Communicated
4. Total students trained in Autodock : 40 (Beginner level proficiency)




PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035

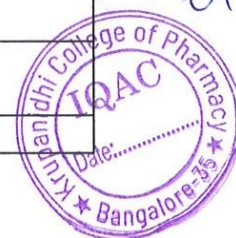


LIST OF STUDENTS

| AUTODOCK FOR ACADEMIC | | |
|-----------------------|------------------------|-----------|
| 1 | AKASH ASHOK MANVI | V PHARM D |
| 2 | MUNAZZA AFREEN | |
| 3 | ELMER CLOVER RODRIGUEZ | |
| 4 | KISHOR GS | |
| 5 | SYED SADATHULLA | |
| 6 | MAHESH CHOUGLE | M PHARM |
| 7 | DECHAN | |
| 8 | SHARAN GUMBE | |
| 9 | NAMITHA | |
| 10 | HEMANTH PANTH | |

| AUTODOCK FOR ACADEMIC FOR BEGINNERS | | |
|-------------------------------------|-------------|---------|
| 1. | AMAN PANDIT | B PHARM |
| 2. | DEEPIKA | B PHARM |
| 3. | KEERTHANA | B PHARM |
| 4. | KOMALA | B PHARM |
| 5. | LAKSHMI | B PHARM |
| 6. | LIKITHA | B PHARM |
| 7. | NAVYA | B PHARM |
| 8. | NAVYA S | B PHARM |
| 9. | NIKHILESH | B PHARM |
| 10. | NISHMITHA | B PHARM |
| 11. | PAVITHRA | B PHARM |
| 12. | RANJITHA M | B PHARM |
| 13. | ANJELIN | B PHARM |
| 14. | ANISHA | B PHARM |

PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandür, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035






KRUPANIDHI COLLEGE OF PHARMACY



AICTE, PCI, RGUHS approved, NAAC "A" and ISO certified

| | | |
|-----|----------------------|---------|
| 15. | JAGADEVI | B PHARM |
| 16. | MUSKAN | B PHARM |
| 17. | NIKHIL E | B PHARM |
| 18. | OLIVIA | B PHARM |
| 19. | OVIYA | B PHARM |
| 20. | PREETHI K | B PHARM |
| 21. | RASHMI | B PHARM |
| 22. | SHIVANGI | B PHARM |
| 23. | SHARVANI | B PHARM |
| 24. | SNIGDHA | B PHARM |
| 25. | SUCHITRA | B PHARM |
| 26. | VENU | B PHARM |
| 27. | AHMED | B PHARM |
| 28. | JOHNSI S | B PHARM |
| 29. | K MONICA | B PHARM |
| 30. | KAVYA S M | B PHARM |
| 31. | KAVYASREE R | B PHARM |
| 32. | KISHORE C | B PHARM |
| 33. | KOGILESHWARI S | B PHARM |
| 34. | MIR RAZA ABBAS | B PHARM |
| 35. | MONISHA S | B PHARM |
| 36. | MUKESH KUMAR RAUNIYA | B PHARM |
| 37. | MUKESH THAKUR | B PHARM |
| 38. | SOMASHEKAR R | B PHARM |
| 39. | SUCHITHRA G | B PHARM |
| 40. | SURAVI DUTTA | B PHARM |


PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Vantihalli Hobli, Bangalore - 560 035


8/10/22



KRUPANIDHI COLLEGE OF PHARMACY

RECOGNISED BY GOVT OF KARNATAKA |
APPROVED BY PHARMACY COUNCIL OF INDIA |
AICTE, NEW DELHI AND AFFILIATED TO RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES
| AN ISO 9001:2015 CERTIFIED INSTITUTION
NAAC 'A' GRADE ACCREDITED

#12/1, CHIKKABELANDHUR, CARMELARAM POST, BANGALORE-560 035

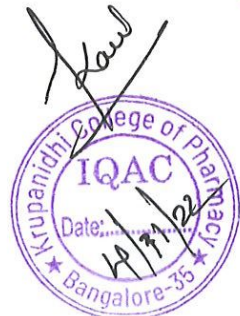


MQE Software for QSAR

2/11/2020

C. Jayaram

PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035





DATE: 30.10.2020

CIRCULAR

This is to inform all the B Pharm, M Pharm, Pharm D students that, the college is organizing the **Molecular Operating Environment (MOE) software** training program on 2.11.2020 . All the interested students can attend the program.

PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Marthur Hobli, Bangalore - 560 035

Principal





KRUPANIDHI COLLEGE OF PHARMACY, BANGALORE

Molecular Operating Environment (MOE)- 2020-21

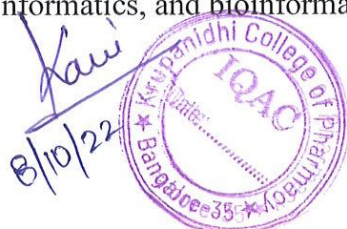
- Molecular Operating Environment (MOE) developed by Chemical Computing Group Inc Is a drug discovery software platform that integrates visualization and modelling as well as methodology development.
- MOE strongly supports drug design through molecular simulation, protein structure analysis, data processing of small molecules, docking study of proteins and small molecules.
- At Krupanidhi College of Pharmacy, we extensively use MOE foundation package for visualization and modelling through students' academic projects.

Beneficiaries of the Software:

V & VI Pharm D students undertaking academic projects are the primary beneficiaries of the tool. The software is also used to provide hands on training for M Pharm Pharmacology and Ph Chemistry students on Drug design.

Activities performed using MOE:

- Including the pharmacophore-based combinatorial library design, potential energy evaluations, docking, crystallographic system, and electron density map visualization.
- MOE also includes a set of tools for protein modeling, including homology searching, secondary structure prediction, sequence and structure alignment, and tools for building homolgy models.
- It includes structure-based design, fragment-based design, pharmacophore discovery, medicinal chemistry applications, biologics applications, protein and antibody modeling, molecular modeling and simulations, cheminformatics&QSAR.
- The system integrates visualization, molecular modeling, protein modeling, cheminformatics, and bioinformatics all in one program.



PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035



- MOE's CASP validated applications for protein structure prediction are powerful and easy to use, both for experts and occasional users.
- Powerful homolog search, alignment algorithm, and refinement methodology make high-quality sequence-to-structure predictions possible.
- Provides a comprehensive set of Structure-Based design tools, including an active site finder, a MultiFragment Search (MFS) to help understand the interactions between chemical functional groups.
- MOE's pharmacophore modeling is a powerful means to generate and use 3D geometric information to search for novel active compounds.

Software Utilization in Krupanidhi College of Pharmacy:

Since 2019, MOE has been used in Krupanidhi College of Pharmacy for V Pharm D, M Pharm Ph Chemistry and Pharmacology for project in drug design:

1. Total projects involving MOE : 10
2. Total students utilized MOE for academic projects : 10
3. Total papers published using MOE : Communicated
4. Total students trained in MOE : 40 (Beginner level proficiency)

LIST OF STUDENTS

| MOE FOR ACADEMIC | | |
|------------------|------------------------|-----------|
| 1 | AKASH ASHOK MANVI | V PHARM D |
| 2 | MUNAZZA AFREEN | |
| 3 | ELMER CLOVER RODRIGUEZ | |
| 4 | KISHOR GS | |
| 5 | SYED SADATHULLA | |
| 6 | MAHESH CHOUGLE | M PHARM |
| 7 | DECHAN | |
| 8 | SHARAN GUMBE | |
| 9 | NAMITHA | |
| 10 | HEMANTH PANTH | |

| MOE FOR ACADEMIC FOR BEGINNERS | | |
|--------------------------------|-------------|---------|
| 1. | AMAN PANDIT | B PHARM |



PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Po
varthur Hobli, Bangalore - 560

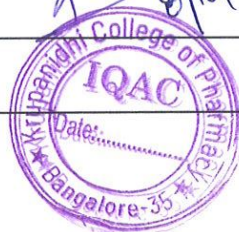


KRUPANIDHI COLLEGE OF PHARMACY



AICTE, PCI, RGUHS approved, NAAC "A" and ISO certified

| | | |
|-----|------------|---------|
| 2. | DEEPIKA | B PHARM |
| 3. | KEERTHANA | B PHARM |
| 4. | KOMALA | B PHARM |
| 5. | LAKSHMI | B PHARM |
| 6. | LIKITHA | B PHARM |
| 7. | NAVYA | B PHARM |
| 8. | NAVYA S | B PHARM |
| 9. | NIKHILESH | B PHARM |
| 10. | NISHMITHA | B PHARM |
| 11. | PAVITHRA | B PHARM |
| 12. | RANJITHA M | B PHARM |
| 13. | ANJELIN | B PHARM |
| 14. | ANISHA | B PHARM |
| 15. | JAGADEVVI | B PHARM |
| 16. | MUSKAN | B PHARM |
| 17. | NIKHIL E | B PHARM |
| 18. | OLIVIA | B PHARM |
| 19. | OVIYA | B PHARM |
| 20. | PREETHI K | B PHARM |
| 21. | RASHMI | B PHARM |
| 22. | SHIVANGI | B PHARM |
| 23. | SHARVANI | B PHARM |
| 24. | SNIGDHA | B PHARM |
| 25. | SUCHITRA | B PHARM |



PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 03




KRUPANIDHI COLLEGE OF PHARMACY

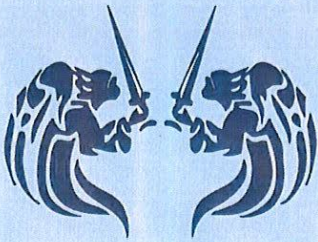


AICTE, PCI, RGUHS approved, NAAC "A" and ISO certified

| | | |
|-----|----------------------|---------|
| 26. | VENU | B PHARM |
| 27. | AHMED | B PHARM |
| 28. | JOHNSI S | B PHARM |
| 29. | K MONICA | B PHARM |
| 30. | KAVYA S M | B PHARM |
| 31. | KAVYASREE R | B PHARM |
| 32. | KISHORE C | B PHARM |
| 33. | KOGILESHWARI S | B PHARM |
| 34. | MIR RAZA ABBAS | B PHARM |
| 35. | MONISHA S | B PHARM |
| 36. | MUKESH KUMAR RAUNIYA | B PHARM |
| 37. | MUKESH THAKUR | B PHARM |
| 38. | SOMASHEKAR R | B PHARM |
| 39. | SUCHITHRA G | B PHARM |
| 40. | SURAVI DUTTA | B PHARM |

Kavi
8/10/22



PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hohli, Bangalore = 560 035



KRUPANIDHI COLLEGE OF PHARMACY

RECOGNISED BY GOVT OF KARNATAKA |

APPROVED BY PHARMACY COUNCIL OF INDIA |

AICTE, NEW DELHI AND AFFILIATED TO RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES

| AN ISO 9001:2015 CERTIFIED INSTITUTION

NAAC 'A' GRADE ACCREDITED

#12/1, CHIKKABELANDHUR, CARMELARAM POST, BANGALORE-560 035

Toxtree-
ADMET

2/11/2020

Handwritten signature and date:
Koush
4/4/22

Handwritten signature and date:
S. S. Srinivasan
4/4/22



KRUPANIDHI COLLEGE OF PHARMACY

AICTE, PCI, RGUHS approved, NAAC "A" and ISO certified



DATE: 30.10.2020

CIRCULAR

This is to inform all the B Pharm, M Pharm, Pharm D students that, the college is organizing the **ToxTree Software** training program on 2.11.2020. All the interested students can attend the program.

PRINCIPAL

**Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035**

Principal

Kavi
8/10/22





KRUPANIDHI COLLEGE OF PHARMACY, BANGALORE

TOXTREE- 2020-21

- ToxTree is a free software used in silico non-testing method for assessing the risks and hazards associated with a compound.
- ToxTree also predicts the potential for skin irritation and eye irritation, mutagenicity/carcinogenicity, biodegradation, skin sensitization, and other characteristics such as protein or DNA binding alerts.
- At Krupanidhi College of Pharmacy, we extensively use TOXTREE for performing toxicity studies for students' academic projects.

Beneficiaries of the Software:

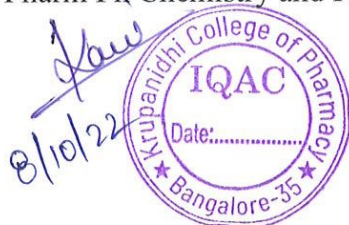
V & VI Pharm D students undertaking academic projects are the primary beneficiaries of the tool. The software is also used to provide hands on training for M Pharm Pharmacology and Ph Chemistry students on Drug design.

Activities performed using Toxtree:

- It includes decision trees for predicting Cramer rules, Cramer rules with extensions, Verhaar scheme, START biodegradability, eye irritation and corrosion, structure alerts for the *in vivo* micronucleus assay in rodents, Michael acceptors, Benigni/Bossarulebase (for mutagenicity and carcinogenicity), skin irritation/skin corrosion, cytochrome.
- Provides a flexible and documented (in the doc/src application subfolder) plug-in interface, allowing the integration of different classification schemes developed at a future date.
- Predictions with Toxtree SMILES codes or a 2D structure diagram is used. The software can also be used to perform batch processing of large numbers of compounds by importing datasets of various file types.
- New decision trees with arbitrary rules can be built with the help of a graphical user interface or by developing new plug-ins.

Software Utilization in Krupanidhi College of Pharmacy:

Since 2019, ToxTree has been used extensively in Krupanidhi College of Pharmacy for V PharmD, M Pharm Ph Chemistry and Pharmacology for project in drug design:



PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram
Varthur Hobli, Bangalore - 5



1. Total projects involving ToxTree : 10
2. Total students utilized ToxTree for academic projects : 10
3. Total papers published using ToxTree : Communicated
4. Total students trained in ToxTree : 40 (Beginner level proficiency)

LIST OF STUDENTS

| TOXTREE FOR ACADEMIC | | |
|----------------------|------------------------|-----------|
| 1 | AKASH ASHOK MANVI | V PHARM D |
| 2 | MUNAZZA AFREEN | |
| 3 | ELMER CLOVER RODRIGUEZ | |
| 4 | KISHOR GS | |
| 5 | SYED SADATHULLA | |
| 6 | MAHESH CHOUGLE | M PHARM |
| 7 | DECHAN | |
| 8 | SHARAN GUMBE | |
| 9 | NAMITHA | |
| 10 | HEMANTH PANTH | |

| TOXTREE FOR ACADEMIC FOR BEGINNERS | | |
|------------------------------------|-------------|---------|
| 1. | AMAN PANDIT | B PHARM |
| 2. | DEEPIKA | B PHARM |
| 3. | KEERTHANA | B PHARM |
| 4. | KOMALA | B PHARM |
| 5. | LAKSHMI | B PHARM |
| 6. | LIKITHA | B PHARM |
| 7. | NAVYA | B PHARM |
| 8. | NAVYA S | B PHARM |
| 9. | NIKHILESH | B PHARM |
| 10. | NISHMITHA | B PHARM |





KRUPANIDHI COLLEGE OF PHARMACY



AICTE, PCI, RGUHS approved, NAAC "A" and ISO certified

| | | |
|-----|----------------|---------|
| 11. | PAVITHRA | B PHARM |
| 12. | RANJITHA M | B PHARM |
| 13. | ANJELIN | B PHARM |
| 14. | ANISHA | B PHARM |
| 15. | JAGADEVI | B PHARM |
| 16. | MUSKAN | B PHARM |
| 17. | NIKHIL E | B PHARM |
| 18. | OLIVIA | B PHARM |
| 19. | OVIYA | B PHARM |
| 20. | PREETHI K | B PHARM |
| 21. | RASHMI | B PHARM |
| 22. | SHIVANGI | B PHARM |
| 23. | SHARVANI | B PHARM |
| 24. | SNIGDHA | B PHARM |
| 25. | SUCHITRA | B PHARM |
| 26. | venu | B PHARM |
| 27. | AHMED | B PHARM |
| 28. | JOHNSI S | B PHARM |
| 29. | K MONICA | B PHARM |
| 30. | KAVYA S M | B PHARM |
| 31. | KAVYASREE R | B PHARM |
| 32. | KISHORE C | B PHARM |
| 33. | KOGILESHWARI S | B PHARM |
| 34. | MIR RAZA ABBAS | B PHARM |
| 35. | MONISHA S | B PHARM |

PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035

Kavi
8/10/22





KRUPANIDHI COLLEGE OF PHARMACY



AICTE, PCI, RGUHS approved, NAAC "A" and ISO certified

| | | |
|-----|----------------------|---------|
| 36. | MUKESH KUMAR RAUNIYA | B PHARM |
| 37. | MUKESH THAKUR | B PHARM |
| 38. | SOMASHEKAR R | B PHARM |
| 39. | SUCHITHRA G | B PHARM |
| 40. | SURAVI DUTTA | B PHARM |

PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035



KRUPANIDHI COLLEGE OF PHARMACY

RECOGNISED BY GOVT OF KARNATAKA |

APPROVED BY PHARMACY COUNCIL OF INDIA |

AICTE, NEW DELHI AND AFFILIATED TO RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES

| AN ISO 9001:2015 CERTIFIED INSTITUTION

NAAC 'A' GRADE ACCREDITED

#12/1, CHIKKABELANDHUR, CARMELARAM POST, BANGALORE-560 035



2/11/2020

Expharma
Series
software



PRINCIPAL

Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035





DATE: 30.10.2020

CIRCULAR

This is to inform all the B Pharm, M Pharm, Pharm D students that, the college is organizing the **Expharma Series software** training program on 2.11.2020 . All the interested students can attend the program.

PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035

Kavi
8/10/22



Principal



KRUPANIDHI COLLEGE OF PHARMACY, BANGALORE

SUMMARY ON EXPHARMA SERIES 2020-2021

(EXPERIMENTAL PHARMACOLOGY SERIES)

- This is a computer assisted learning package containing various programs which simulate animal experiments in Pharmacology.
- These programs can be used to demonstrate drug on different animal's systems.
- The package is user friendly, highly interactive and full of animated sequences which make simulation appear realistic.

BENEFICIARIES OF THE SOFTWARE:

- ❖ Software is aimed for medical, pharmacy and dental undergraduate students. The software can also be used by the students of paramedical courses such as nursing, medical laboratory technology and physiotherapy etc.
- ❖ IV, V, VI Sem B. Pharm and III PharmD students undergoes the regular practicals by using this software.

ACTIVITIES PERFORMED USING EXPHARMA SOFTWARE:

1. Experiment on effects of various drugs (Mydriatic, Miotic and Local Anaesthetic) on rabbit's eye.
2. (Epinephrine, Atropine, Ephedrine, Physostigmine, Lignocaine)
3. Study of Analgesic activity with the help of "Tail Flick Apparatus" (Analgesiometer).
4. Study of Antihistaminic drugs/Anti allergic drugs by mast cell stabilization method with the help of "Histamine Chamber"
5. Study of Muscle Relaxant activity with the help of "Rota-Rod Apparatus".
6. Study of CNS Depressants & Stimulants Using "Actophotometer".
7. Study of Analgesic activity with the help of "Hot Plate Apparatus" (Analgesiometer).
8. Effect of Different Drugs (Including Saline Purgatives) on Ciliary Motility of Frog Oesophagus.
9. Study of Drugs acting on CNS (Including Anxiolytic Activity) using following modules
 - Elevated Plus Maze Method
 - Pole Climbing Method
10. Study of anticonvulsant activity using "Electro Convulsimeter".
11. Experiment on Effect of various drugs on Isolated Frog's Heart. (DRC- Dose Response Curve)
 - Epinephrine
 - Norepinephrine
 - Isoprenaline
 - Calcium Chloride
 - Propranolol
 - Acetylcholine
 - Potassium chloride
 - Atropine sulphate
12. Experiment on Bioassay of Histamine on the Ileum of Guinea Pig.
13. Simulation of pupil control


PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035





- Simulation of the effects of the physiological stimuli and drugs on the papillary reflexes.
- Simulation of the control in patient with partial parasympathectomy.
- 14. Experiments on Legendorff's Apparatus
 - Effect of coronary vasodilators on isolated heart
 - Effect of parasympathomimetic.
- 15. Test for pyrogens using rabbits.
- 16. Effect of drugs on isolated guinea pig ileum (in-vitro).
- 17. To Study Respiratory depression effect on rabbit.
- 18. Determination of acute irritation of a test substance.
 - Skin irritation (Including edema formation)
 - Eye irritation
- 19. Experiments on colonic motility in rat in vitro.
- 20. Experiments on thyroid and antithyroid drugs
 - The effect of thyroxin, TSH, propylthiouracil, on metabolism.
- 21. Experiments on blood sugar
- 22. - The effect of insulin (hypoglycaemic activity) and alloxan on blood glucose.
- 23. Bioassay of Acetylcholine on the isolated rectus abdominis muscle of frog
 - By Matching Method
 - By Interpolation Method
 - By 3 Point Method
 - By 4 Point Method

EXPHARMA SERIES UTILIZATION IN KRUPANIDHI COLLEGE OF PHARMACY

- Since 2018, Expharma series has been extensively used in Krupanidhi College of Pharmacy for IV, V, VI Sem B. Pharm and III Pharm D students for learning Simulated experiments in pharmacology.
- Total Number of experiments involving Expharma series :23
- Total Number of students used Expharma series:
 1. IV Sem B. Pharm – 110 students
 2. V Sem B. Pharm- 110 students
 3. VI Sem B. Pharm- 104 students
 4. III Pharm D – 30 students.
 5. Total- **354 students.**

Syllabus/content of the programme:

B. PHARM IV SEM:

BP 408 P. PHARMACOLOGY-I (Practical) 4Hrs/Week

1. Introduction to experimental pharmacology.
2. Commonly used instruments in experimental pharmacology.
3. Study of common laboratory animals.
4. Maintenance of laboratory animals as per CPCSEA guidelines.

PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandür, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035






5. Common laboratory techniques. Blood withdrawal, serum and plasma separation, anesthetics and euthanasia used for animal studies.
6. Study of different routes of drugs administration in mice/rats.
7. Study of effect of hepatic microsomal enzyme inducers on the phenobarbitone sleeping time in mice.
8. Effect of drugs on ciliary motility of frog oesophagus
9. Effect of drugs on rabbit eye.
10. Effects of skeletal muscle relaxants using rota-rod apparatus.
11. Effect of drugs on locomotor activity using Actophotometer.
12. Anticonvulsant effect of drugs by MES and PTZ method.
13. Study of stereotype and anti-catatonic activity of drugs on rats/mice.
14. Study of anxiolytic activity of drugs using rats/mice.
15. Study of local anesthetics by different methods

Note: All laboratory techniques and animal experiments are demonstrated by simulated experiments by softwares and videos

B. PHARM V SEM:

BP 507 P. PHARMACOLOGY-II (Practical) 4Hrs/Week

1. Introduction to in-vitro pharmacology and physiological salt solutions.
2. Effect of drugs on isolated frog heart.
3. Effect of drugs on blood pressure and heart rate of dog.
4. Study of diuretic activity of drugs using rats/mice.
5. DRC of acetylcholine using frog rectus abdominis muscle.
6. Effect of physostigmine and atropine on DRC of acetylcholine using frog rectus abdominis muscle and rat ileum respectively.
7. Bioassay of histamine using guinea pig ileum by matching method.
8. Bioassay of oxytocin using rat uterine horn by interpolation method.
9. Bioassay of serotonin using rat fundus strip by three-point bioassay.
10. Bioassay of acetylcholine using rat ileum/colon by four-point bioassay.
11. Determination of PA₂ value of prazosin using rat anococcygeus muscle (by Schilds plot method).
12. Determination of PD₂ value using guinea pig ileum.
13. Effect of spasmogens and spasmolytics using rabbit jejunum.


PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Pr
varthur Hobli, Bangalore - 560





14. Anti-inflammatory activity of drugs using carrageenan induced paw-edema model.
15. Analgesic activity of drug using central and peripheral methods

Note: All laboratory techniques and animal experiments are demonstrated by simulated experiments by softwares and videos

B. PHARM VI SEM:

BP 608 P. PHARMACOLOGY-III (Practical) 4Hrs/Week

1. Dose calculation in pharmacological experiments
2. Antiallergic activity by mast cell stabilization assay
3. Study of anti-ulcer activity of a drug using pylorus ligand (SHAY) rat model and NSAIDS induced ulcer model.
4. Study of effect of drugs on gastrointestinal motility
5. Effect of agonist and antagonists on guinea pig ileum
6. Estimation of serum biochemical parameters by using semi- autoanalyzer
7. Effect of saline purgative on frog intestine
8. Insulin hypoglycaemic effect in rabbit
9. Test for pyrogens (rabbit method)
10. Determination of acute oral toxicity (LD50) of a drug from a given data
11. Determination of acute skin irritation / corrosion of a test substance
12. Determination of acute eye irritation / corrosion of a test substance
13. Calculation of pharmacokinetic parameters from a given data
14. Biostatistics methods in experimental pharmacology(student 's t test, ANOVA)
15. Biostatistics methods in experimental pharmacology (Chi square test, Wilcoxon Signed Rank test)

***Experiments are demonstrated by simulated experiments/videos**

III PHARM D PHARMACOLOGY 4hrs/week

1. Study of laboratory animals and their handling (a. Frogs, b. Mice, c. Rats, d. Guinea, pigs, e. Rabbits).
2. Study of physiological salt solutions used in experimental pharmacology.
3. Study of laboratory appliances used in experimental pharmacology.
4. Study of use of anesthetics in laboratory animals.
5. To record the dose response curve of Ach using isolated ileum/rectus abdominis muscle preparation.


PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellanda, Carmelaram Post
Arthur Hobli, Bangalore - 560 03





KRUPANIDHI COLLEGE OF PHARMACY



AICTE, PCI, RGUHS approved, NAAC "A" and ISO certified

6. To carry out bioassay of Ach using isolated ileum/rectus abdominis muscle preparation by interpolation method.
7. To carry out bioassay of Ach using isolated ileum/rectus abdominis muscle preparation by three-point method.
8. To record the dose response curve of Histamine using isolated guinea -pig ileum preparation.
9. Study of agonistic and antagonistic effects of drugs using isolated guinea -pig ileum preparation.
10. To carry out bioassay of Histamine using isolated guinea -pig ileum preparation by interpolation method.
11. To carry out bioassay of Histamine using guinea -pig ileum preparation by three-point method.
12. To study the routes of administration of drugs in animals (Rats, Mice, Rabbits).
13. Study of theory, principle, procedure involved and interpretation of given results for the following experiments: a) Analgesic property of drug using Analgesiometer. b) Anti-inflammatory effect of drugs using rat-paw edema method. c) Anticonvulsant activity of drugs using maximal electroshock and pentylene tetrazole methods. d) Antidepressant activity of drugs using pole climbing apparatus and pentobarbitone induced sleeping time methods. e) Locomotor activity evaluation of drugs using Actophotometer and rotarod. f) Cardiotonic activity of drugs using isolated frog heart and mammalian heart preparations.

***Experiments are demonstrated by simulated experiments/videos.**


NUMBER OF HOURS OF PROGRAMME

1. B. PHARM IV SEM – 4hrs/week
2. B. PHARM V SEM- 4hrs/week
3. B. PHARM VI SEM – 4hrs/week
4. PHARMD III YEAR- 4hrs/week

LIST OF STUDENTS:

IV and V SEM B. PHARM:

| SLNO | REGISTER NUMBER | NAME OF THE CANDIDATE |
|------|-----------------|-----------------------|
| 1. | 19P2151 | Abhishek A. |
| 2. | 19P2152 | Ajith S |
| 3. | 19P2153 | Aleena Antony |
| 4. | 19P2154 | Ankit Kushwaha |
| 5. | 19P2155 | Baby Nandini N |
| 6. | 19P2156 | Balu Prasanth S |
| 7. | 19P2157 | BanlumlangMarbaniang |
| 8. | 19P2158 | Bikando D Marak |
| 9. | 19P2159 | Bramhotri Rout |
| 10. | 19P2160 | C.Lalthianghlina |


PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 025





KRUPANIDHI COLLEGE OF PHARMACY



AICTE, PCI, RGUHS approved, NAAC "A" and ISO certified

| | | |
|-----|----------|--------------------|
| 11. | 19P2161 | C.Shyla Shree |
| 12. | 19P2162 | Cebin Joseph |
| 13. | 19P2163 | Chandana G |
| 14. | 19P2164 | Chandu BP |
| 15. | 19P2165 | Charitha M |
| 16. | 19P2166 | Christy KJ |
| 17. | 19P2167 | DaphishaMarbaniang |
| 18. | 19P2168 | Deep Bhowmick |
| 19. | 19P2169 | Deepa M |
| 20. | 19P2170 | Dhruva Hegde |
| 21. | 19P2171 | Divakar M |
| 22. | 19P2172 | Divya M |
| 23. | 19P2173 | Divya P |
| 24. | 19P2174 | Durga Prasad |
| 25. | 19P2175 | Gagan C |
| 26. | 19P2176 | M. Ganesh Kumar |
| 27. | 19P2177 | Gururaj M |
| 28. | 19P2178 | Hamsa Priya G |
| 29. | 19P2179 | Hrithik Kumar |
| 30. | 19P2180 | Illakkiya S |
| 31. | 19P2181 | Jasmitha A |
| 32. | 19P2182 | Kabhyashree |
| 33. | 19P2183 | Karthik V. |
| 34. | 19P2184 | Kavya S |
| 35. | 19P2185 | Keerthana Iyer |
| 36. | 19P2186 | Kenneth Osbert |
| 37. | 19P2186 | Kevin John |
| 38. | 19P2188 | Kunal Levi |
| 39. | 19P2189 | Lavanya R |
| 40. | 19P2190 | Lekha |
| 41. | 19P2191 | Likhitha |
| 42. | 19P2192 | Madhumita R |
| 43. | 19P2193 | Mahesh |
| 44. | 19P2194 | Manisha M |
| 45. | 19P2195 | MebanraplangMaboh |
| 46. | 19P2196 | Mohammed Usman |
| 47. | 19P2197 | Mohit Nandwana |
| 48. | 19P21989 | Ramya N |
| 49. | 19P2199 | Nikhil |
| 50. | 19P2200 | Nimisha Gupta |
| 51. | 19P2201 | Nirma T |
| 52. | 19P2202 | Nitiesh |
| 53. | 19P2203 | NochotenuTetso |
| 54. | 19P2204 | PC Lalramhmua |
| 55. | 19P2205 | R.Pavan Kumar |
| 56. | 19P2206 | Pooja K |
| 57. | 19P2207 | Poonam B |
| 58. | 19P2208 | Prakash |

PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram
Bangalore - 56

Kawi
8/10/22
Krupanidhi College of Pharmacy
IQAC
Bangalore-35



KRUPANIDHI COLLEGE OF PHARMACY



AICTE, PCI, RGUHS approved, NAAC "A" and ISO certified

| | | |
|------|---------|-----------------------------|
| 150. | 18P0490 | Medakisamati |
| 151. | 18p0491 | Mir Raza Abbas |
| 152. | 18p0492 | Monisha S |
| 153. | 18p0493 | Mukesh kumar rauniyar |
| 154. | 18P0494 | Mukesh Thakur |
| 155. | 18p0495 | Murali.b |
| 156. | 18p0496 | Muskan |
| 157. | 18p0497 | Narendiran .R |
| 158. | 18P0498 | S. Naresh Kumar |
| 159. | 18p0499 | Navin |
| 160. | 18p0500 | Neha Singh |
| 161. | 18p0501 | Nikhath Fathima m |
| 162. | 18p0502 | Nikhil kumar BN |
| 163. | 18p0503 | Nikhil k |
| 164. | 18P0504 | Olivia Miriam |
| 165. | 18p0505 | Oviya.p |
| 166. | 18P0506 | Pavankumar sc |
| 167. | 18P0507 | Pavithra |
| 168. | 18p0508 | Pradeep p |
| 169. | 18p0509 | Prakash |
| 170. | 18P0510 | PREETHI.K |
| 171. | 18P0511 | PUNITH KUMAR L |
| 172. | 18p0512 | Rakesh.DR |
| 173. | 18p0513 | Rakshitha cs |
| 174. | 18P0514 | RANJITH.M |
| 175. | 18p0515 | RASHMI.S. |
| 176. | 18p0516 | Rashmitha.R |
| 177. | 18p0517 | Rohith N |
| 178. | 18p0518 | Rupchi t Sangma |
| 179. | 18p0519 | Sahana |
| 180. | 18P0520 | Sampada Adhikari |
| 181. | 18p0521 | SANTHALA CHAITHANAYA PRASAD |
| 182. | 18P0522 | Sasikirana.S |
| 183. | 18p0523 | Shilpa.B |
| 184. | 18p0524 | Shiva Kumar m |
| 185. | 18P0525 | Shivangi Chaudhary |
| 186. | 18p0526 | Shravani k |
| 187. | 18p0527 | Siddharth Bairagi |
| 188. | 18P0528 | snigdhasenapati |
| 189. | 18p0529 | Sobana.s |
| 190. | 18P0530 | Somashekar R |
| 191. | 18p0531 | Suchithra.G |
| 192. | 18P0532 | Suravi Dutta |
| 193. | 18p0533 | P.Surendar |
| 194. | 18P0534 | Swetha M |
| 195. | 18p0535 | Tamilselvan. M |
| 196. | 18p0536 | Thanuja R |
| 197. | 18p0537 | Ubaise pm |

PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035

Kavi
8/10/22





KRUPANIDHI COLLEGE OF PHARMACY



AICTE, PCI, RGUHS approved, NAAC "A" and ISO certified

| | | |
|------|---------|---------------------|
| 198. | 18p0538 | Uday Kiran.g |
| 199. | 18p0539 | P. Velavan |
| 200. | 18p0540 | Vengatachalam.m |
| 201. | 18P0541 | Venu G |
| 202. | 18p0542 | Vijay Kumar. N |
| 203. | 18p0543 | Vijayalakshmi. M |
| 204. | 18P0544 | Yashwanth v reddy |
| 205. | 18p0554 | Ahmed Thabit Omer |
| 206. | 18p0555 | Azzam |
| 207. | 18P0556 | Effen G.Venkadee |
| 208. | 18P0557 | EKUNBOYEJO IFEOLUWA |
| 209. | 19P2247 | Kamala v patel |
| 210. | 19P2248 | Sahnoorqureshi |
| 211. | 19p2249 | Samarth sj |
| 212. | 19p2251 | Shanmuga sundaram.N |
| 213. | 19p2252 | Veda M |
| 214. | 19P2253 | Ratneshkumarsingh |

III PHARM D:

| SL NO | REGISTER NUMBER | NAME OF THE CANDIDATE |
|-------|-----------------|-----------------------|
| 215. | 18Q0301 | Aishwarya Rakesh |
| 216. | 18Q0302 | Anika Varsha Thamra S |
| 217. | 18Q0303 | Bhagyashree |
| 218. | 18Q0304 | Christo Sebastian |
| 219. | 18Q0305 | Divya M |
| 220. | 18Q0306 | Freny Mathew Shiju |
| 221. | 18Q0307 | RoshiniRaj |
| 222. | 18Q0308 | Harshitha N |
| 223. | 18Q0309 | Jane Nisha Soans |
| 224. | 18Q0310 | Keerthana MM |
| 225. | 18Q0311 | Lavanya M |
| 226. | 18Q0312 | Lomash Timsina |
| 227. | 18Q0313 | Moulidharan R |
| 228. | 18Q0314 | Niharika S Shetty |
| 229. | 18Q0315 | Nischal Agrawal |
| 230. | 18Q0316 | Pavan Kumar K |
| 231. | 18Q0317 | PoluriSrimadhurmayi |
| 232. | 18Q0318 | SM Poornachandra |
| 233. | 18Q0319 | Raghavi A |
| 234. | 18Q0320 | Raksha BH |
| 235. | 18Q0321 | Rakshitha M |
| 236. | 18Q0322 | Sahana G |
| 237. | 18Q0323 | Shiwangi Bhandari |
| 238. | 18Q0324 | Shridhar M |
| 239. | 18Q0325 | Sobin Thomas |
| 240. | 18Q0326 | Sreshi Kumari |

PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandür, Carmelaram Po
Varthur Hobli, Bangalore - 560 0

Kavi
8/10/22

IQAC
Krupanidhi College of Pharmacy
Bangalore-35



KRUPANIDHI COLLEGE OF PHARMACY

AICTE, PCI, RGUHS approved, NAAC "A" and ISO certified



| | | |
|------|---------|------------------------|
| 241. | 18Q0327 | Syed Moqthadeer Ahamed |
| 242. | 18Q0328 | Tana Donyi Tara |
| 243. | 18Q0329 | Vanlalhriatpuii |
| 244. | 18Q0330 | Rashmitha R |

PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035

Kaw
8/10/22