



SS INSTITUTE OF PHARMACY

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Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Dr.C.Jothimanivannan.,M.Pharm.,Ph.D.

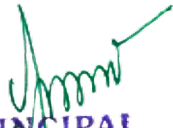
Principal

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the number of students under taking Project Work/ Field Work/ Internship for the Academic year 2023 - 2024.

Year	No of student undertaking Field Work	No of student undertaking Internship	No of student undertaking Project Work
2023 - 2024	58	60	55




PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



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B.Pharm students undertaking Project Work/ **Field visit**/ Internship for
the academic year 2023 – 2024

S.NO	DESCRIPTION
1	Certificate of Head of institution
2	List of B.Pharm Students Undertaking Project Work/ Field Visit / Internship-HOI
3	List of Students Undertaking Project Work/ Field Visit / Internship



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CERTIFICATE OF HEAD OF INSTITUTION



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Dr.C.Jothimanivannan.,M.Pharm.,Ph.D.


Principal

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Number of students under taking Project Work/ **Field Visit**/ Internship
for the academic year 2023 - 2024 is 58.

The student participated in more than one activity has been counted as
oneonly.




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Dr.C.Jothimanivannan.,M.Pharm.,Ph.D.

Principal

To whomsoever it may concern

List of **B.Pharm** students under taking Project Work/ **Field Visit**/ Internship for the academic year 2023-2024.

S.No	Name of the Student	Register No	Field Visit	Date
1.	ABINAYA.M	560020523501	Arbour Pharmaceuticals	02/11/2023
2.	ABISHEK.J	560020523502	Arbour Pharmaceuticals	02/11/2023
3.	AMOKA.V	560020523503	Arbour Pharmaceuticals	02/11/2023
4.	ANBUSELVAN.V	560020523504	Arbour Pharmaceuticals	02/11/2023
5.	ANBUSELVI.S	560020523505	Arbour Pharmaceuticals	02/11/2023
6.	ANITHA.L	560020523506	Arbour Pharmaceuticals	02/11/2023
7.	ARAVIND.R	560020523507	Arbour Pharmaceuticals	02/11/2023
8.	ARCHANA.M	560020523508	Arbour Pharmaceuticals	02/11/2023
9.	ARUN VENKATESHWARAN.S	560020523509	Arbour Pharmaceuticals	02/11/2023
10.	ARUN.A	560020523510	Arbour Pharmaceuticals	02/11/2023
11.	ASWIN.M	560020523511	Arbour Pharmaceuticals	02/11/2023
12.	ATCHAYA.K	560020523512	Arbour Pharmaceuticals	02/11/2023
13.	BANU.S	560020523513	Arbour Pharmaceuticals	02/11/2023
14.	BAVITHRA.B	560020523514	Arbour Pharmaceuticals	02/11/2023
15.	BHARATHI RAJA.S	560020523515	Arbour Pharmaceuticals	02/11/2023
16.	BARATH KUMAR.R	560020523516	Arbour Pharmaceuticals	06/11/2023
17.	DEEPASRI.P	560020523517	Arbour Pharmaceuticals	06/11/2023
18.	DINESH.S	560020523518	Arbour Pharmaceuticals	06/11/2023
19.	GOPIKRISHNAN.V	560020523519	Arbour Pharmaceuticals	06/11/2023
20.	GOWSALYA.V	560020523520	Arbour Pharmaceuticals	06/11/2023
21.	GULBAHAR.G	560020523521	Arbour Pharmaceuticals	06/11/2023
22.	HEMADHARAN.V	560020523522	Arbour Pharmaceuticals	06/11/2023
23.	ISHWARYA.S	560020523523	Arbour Pharmaceuticals	06/11/2023
24.	JEYASURYA.V	560020523524	Arbour Pharmaceuticals	06/11/2023
25.	KESAVAMUGILESH.M	560020523525	Arbour Pharmaceuticals	06/11/2023
26.	MUTHU.J	560020523526	Arbour Pharmaceuticals	06/11/2023
27.	NAGAMUGILAN.P	560020523527	Arbour Pharmaceuticals	06/11/2023

NH-544, Kuppanur (Po), Sankari (Tk), Salem(Dt) – 637301, Tamilnadu, India

Phone : 04283 241080 | E-mail : ssip1718@gmail.com | Website : www.ssip.edu.in

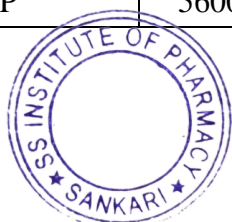


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28.	NAGESHWARI.K	560020523528	Arbour Pharmaceuticals	06/11/2023
29.	NARESH KUMAR.M	560020523529	Arbour Pharmaceuticals	06/11/2023
30.	NARMATHA.M	560020523530	Arbour Pharmaceuticals	06/11/2023
31.	PAPITHA .V	560020523531	Arbour Pharmaceuticals	08/11/2023
32.	PRAGATHI .P	560020523532	Arbour Pharmaceuticals	08/11/2023
33.	PRASANTH .M	560020523533	Arbour Pharmaceuticals	08/11/2023
34.	PRIYADARSHINI .V	560020523534	Arbour Pharmaceuticals	08/11/2023
35.	RAJALAKSHMI .N	560020523535	Arbour Pharmaceuticals	08/11/2023
36.	RAJARAJAN .M	560020523536	Arbour Pharmaceuticals	08/11/2023
37.	SATHISHKUMAR .J	560020523537	Arbour Pharmaceuticals	08/11/2023
38.	SHIRLEY ELIZABETH.I	560020523538	Arbour Pharmaceuticals	08/11/2023
39.	SIVA S.V	560020523539	Arbour Pharmaceuticals	08/11/2023
40.	SIVAPRAKASH .V	560020523540	Arbour Pharmaceuticals	08/11/2023
41.	SUDHA D.G	560020523541	Arbour Pharmaceuticals	08/11/2023
42.	SUNDARAKANNAN .D	560020523542	Arbour Pharmaceuticals	08/11/2023
43.	SURIYA .G	560020523543	Arbour Pharmaceuticals	08/11/2023
44.	SWATHY .M	560020523544	Arbour Pharmaceuticals	08/11/2023
45.	SYED YASIN S.M	560020523545	Arbour Pharmaceuticals	09/11/2023
46.	TAMILARASAN .A	560020523546	Arbour Pharmaceuticals	09/11/2023
47.	THAMIZHARASAN .N	560020523547	Arbour Pharmaceuticals	09/11/2023
48.	THILAGAVATHI .M	560020523548	Arbour Pharmaceuticals	09/11/2023
49.	THIRUMURUGAN .R	560020523549	Arbour Pharmaceuticals	09/11/2023
50.	UMAVATHI .P	560020523550	Arbour Pharmaceuticals	09/11/2023
51.	VALLARASU.D	560020523551	Arbour Pharmaceuticals	09/11/2023
52.	VASANTHRAJ .S	560020523552	Arbour Pharmaceuticals	09/11/2023
53.	VINOTH SANJAY.T	560020523553	Arbour Pharmaceuticals	09/11/2023
54.	VINOTH .S	560020523554	Arbour Pharmaceuticals	09/11/2023
55.	VISHWA .M	560020523555	Arbour Pharmaceuticals	09/11/2023
56.	VISHWANATHAN .V	560020523556	Arbour Pharmaceuticals	09/11/2023
57.	CHANDURU .R	560021523561	Arbour Pharmaceuticals	09/11/2023
58.	NISHA .P	560021523562	Arbour Pharmaceuticals	09/11/2023



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REF: SSIP/IV/2020

Date: 25/10/2023

To

Mr. Abdul Lathiff,
The Managing director,
ArbourPharmaceuticals,
Trichy.

Dear sir,

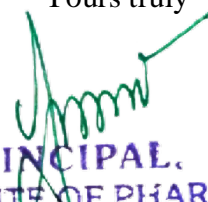
Request for Permission to Conduct an Industrial Visit

Following our recent discussion, I would like to formally request permission for our B.Pharm Third Year (58) students to visit your organization on Planned schedule. This visit is integral to their curriculum, as it will enhance their understanding of formulation and research concepts. The visiting team will be accompanied by faculty members, who will oversee the visit and seek valuable insights from your skilled and experienced staff. We kindly request your approval for this visit.

Thank you for considering our request. We look forward to your positive response.

Yours truly




PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301.

Address :7A, ANANDHA NAGAR, CHERAN SA
CIN :U24110TN2013PTC091977
REG NO :91977
PH No: 9788994167
Email :capanneerselvam@gmail.com



Date :27/10/2023

From

The Managing director,
Arbour Pharmaceuticals,
7A, Anandha Nagar, Cheran Salai, LIC Colony, Trichy-600021.

To

The Principal,
SS Institute of Pharmacy, Sankari.

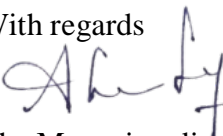
Industrial visit approval letter

Sir


I am writing this letter to approve your request that you made on Planned schedule for visiting to our industry. It will generally take around one day to visit our industry. I can assure you that our industry will give you want significant knowledge during this visit.

Thank you for your interest and I look forward to hearing from you soon

With regards


The Managing director,




PRINCIPAL,
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Address :7A, ANANDHA NAGAR, CHERAN SA
CIN :U24110TN2013PTC091977
REG NO :91977
PH No: 9788994167
Email :capanneerselvam@gmail.com



TO WHOMSOEVER IT MAY CONCERN

Date :12/11/2023

SUB : Industrial Visit

Pharmacy students (B.Pharm Third year) from SS Institute of Pharmacy, Sankari, Salem(dt) visited our organisation on Planned schedule as part of their study curriculum of industrial visit.

58 students along with 4 faculty members visited the manufacturing unit.

This document is given as per request.

Warm Regards,

A handwritten signature in blue ink, appearing to be 'A. Sankari'.

For Arbore Pharmaceuticals

A handwritten signature in green ink, appearing to be 'A. Sankari'.

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FIELD TRIP REPORT

Name of programme : Industrial visit

Date : 12/11/2023

No of students : 58

Faculty accompanied : Mr.T.Sampath Kumar
Mr.M.Praveen kumar
Mrs.P.Nandhitha
Mrs. K.Sowndarya

Name of the Industry visited : Arbour Pharmaceuticals

Address of the Industry visited : 7A, Anandha Nagar, Cheran Salai, LIC
Colony, Trichy-600021.

Outcomes

- Theoretical knowledge with practical application, providing valuable insights into industry operations and standards. It enhances understanding of real-world processes and career opportunities. Additionally, it fosters networking with industry professionals and potential mentors.

Faculty Incharge

Principal

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FIELD VISIT REPORT

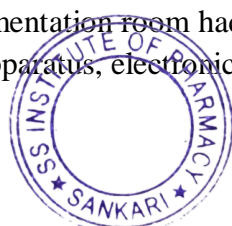
58 students of 2020 Batch B. Pharm and 4 faculties had visited the unit. The faculties accompanied were Mr.T.Sampath Kumar, Mr.M.Praveen kumar, Mrs.P.Nandhitha Mrs. K.Sowndarya



Arbour Pharmaceuticals Pvt. Ltd. was established in 2013 and is located in 7A, Anandha Nagar, Cheran Salai, LIC Colony, Trichy-600021. It is involved in manufacturing of tablets, capsules and syrups.

The industrial visit was really helpful to understand the proper manufacturing processes. It helped understanding each and every steps involved in these processes in detail. Students were able to relate to the practical aspects of the equipments and the processes studied in theory classes.

Quality control department which was highly equipped with various analytical and quality control equipments like disintegration apparatus, dissolution apparatus, refrigerator, electronic water bath. The department had areas for reserve sample room and the instrumentation room. The instrumentation room had the HPLC, UV and FT-IR. Some of the other equipments were bursting apparatus, electronic balance, water bath, Karl Fisher titration and drying room.



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The head of the department of the manufacturing area was there to guide us and explain us in details regarding different steps of manufacturing. He thoroughly explained each and every processes and working of various equipments. A separate area for storage and verification of the packing materials had been allotted. The quality control department then prepares the hatch manufacturing record according to which the process of manufacturing is undertaken. The manufacturing area included areas for granulation, coating etc.



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INDUSTRIAL VISIT 2023

7th SEMESTER B.PHARM
LIST OF STUDENTS

- | | |
|-------------------------|------------------------|
| 1.ABINAYA.M | 30.NARMATHA.M |
| 2.ABISHEK.J | 31.PAPITHA .V |
| 3.AMOKA.V | 32.PRAGATHI .P |
| 4.ANBUSELVAN.V | 33.PRASANTH .M |
| | 34.PRIYADARSHI.V |
| 5.ANBUSELVI.S | 35. RAJALAKSHMI .N |
| 6.ANITHA.L | 36.RAJARAJAN .M |
| 7.ARAVIND.R | 37.SATHISHKUMA.J |
| 8.ARCHANA.M | 38.SHIRLEY ELIZABETH.I |
| 9.ARUN VENKATESHWARAN.S | 39.SIVA S.V |
| 10.ARUN.A | 40.SIVAPRAKASH .V |
| 11.ASWIN.M | 41.SUDHA D.G |
| 12.ATCHAYA.K | 42.SUNDARAKANNAN .D |
| 13.BANU.S | 43.SURIYA .G |
| 14.BAVITHRA.B | 44.SWATHY .M |
| 15.BHARATHI RAJA.S | 45.SYED YASIN S.M |
| 16.BARATH KUMAR.R | 46.TAMILARASAN .A |
| 17.DEEPASRI.P | 47.THAMIZHARASAN .N |
| 18.DINESH.S | 48.THILAGAVATHI .M |
| 19.GOPIKRISHNAN.V | 49.THIRUMURUGAN .R |
| 20.GOWSALYA.V | 50.UMAVATHI .P |
| 21.GULBAHAR.G | 51.VALLARASU.D |
| 22.HEMADHARAN.V | 52.VASANTHRAJ .S |
| 23.ISHWARYA.S | 53.VINOTH SANJAY.T |
| 24.JEYASURYA.V | 54.VINOTH .S |
| 25.KESAVAMUGILESH.M | 55.VISHWA .M |
| 26.MUTHU.J | 56.VISHWANATHAN .V |
| 27.NAGAMUGILAN.P | 57.CHANDURU .R |
| 28.NAGESHWARI.K | 58.NISHA .P |
| 29.NARESH KUMAR.M | |


FACULTIES

- 1.T.Sampath Kumar
2. M.Praveen kumar



3. P.Nandhitha

4. K.Sowndarya


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The Academic Year 2023 – 2024

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Dr.C.Jothimanivannan.,M.Pharm.,Ph.D.


Principal

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Number of students under taking Project Work/ Field Work/ **Internship**
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The student participated in more than one activity has been counted as
one only.




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for the academic year 2023-2024.

S.no	Name of The Student	Register No	Internship	Internship Duration
1.	ABINESH. S	560021523501	Deepam Hospitals	3/10/2023 – 19/10/2023
2.	ABISHEK.B	560021523502	Deepam Hospitals	3/10/2023 – 19/10/2023
3.	ABISURYA .C	560021523503	Deepam Hospitals	3/10/2023 – 19/10/2023
4.	ANANDASIVAM.T	560021523504	Deepam Hospitals	3/10/2023 – 19/10/2023
5.	ANBU .R	560021523505	Deepam Hospitals	3/10/2023 – 19/10/2023
6.	ARAVINTH.M	560021523506	Deepam Hospitals	3/10/2023 – 19/10/2023
7.	ARCHANA.A	560021523507	Deepam Hospitals	3/10/2023 – 19/10/2023
8.	ARIVILKUMAR.P	560021523508	Deepam Hospitals	3/10/2023 – 19/10/2023
9.	ARUN .A	560021523509	Deepam Hospitals	3/10/2023 – 19/10/2023
10.	ARUN KUMAR .K	560021523510	Deepam Hospitals	3/10/2023 – 19/10/2023
11.	ARUNKUMAR.M	560021523511	Deepam Hospitals	3/10/2023 – 19/10/2023
12.	BALAMURUGAN.B	560021523512	Deepam Hospitals	3/10/2023 – 19/10/2023
13.	BATHRINATH.A	560021523513	Deepam Hospitals	3/10/2023 – 19/10/2023
14.	BOOPATHI.G	560021523514	Deepam Hospitals	3/10/2023 – 19/10/2023
15.	BOOPATHI.P	560021523515	Deepam Hospitals	3/10/2023 – 19/10/2023
16.	CHITHARTHA.M	560021523516	Deepam Hospitals	3/10/2023 – 19/10/2023
17.	DEVIPRIYA.K	560021523517	Deepam Hospitals	3/10/2023 – 19/10/2023
18.	DHATCHNAMOORTHY.K	560021523518	Deepam Hospitals	3/10/2023 – 19/10/2023
19.	DHIVYA.N	560021523519	Deepam Hospitals	3/10/2023 – 19/10/2023
20.	ESAI MOZHI.S	560021523520	Deepam Hospitals	3/10/2023 – 19/10/2023

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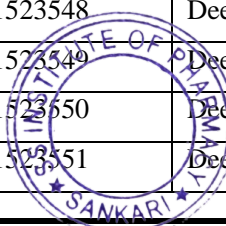


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21.	GAYATHRI.S	560021523521	Deepam Hospitals	3/10/2023 – 19/10/2023
22.	GOPIKA.K	560021523522	Deepam Hospitals	3/10/2023 – 19/10/2023
23.	GOPI.K	560021523523	Deepam Hospitals	3/10/2023 – 19/10/2023
24.	GURUMOORTHIM	560021523524	Deepam Hospitals	3/10/2023 – 19/10/2023
25.	HARIPRIYA.K	560021523525	Deepam Hospitals	3/10/2023 – 19/10/2023
26.	JOTHIPRAKASH.P	560021523526	Deepam Hospitals	3/10/2023 – 19/10/2023
27.	KARTHICK KANNAN.S	560021523527	Deepam Hospitals	3/10/2023 – 19/10/2023
28.	KARTHICK.K	560021523528	Deepam Hospitals	3/10/2023 – 19/10/2023
29.	KARTHIKEYAN.M	560021523529	Deepam Hospitals	3/10/2023 – 19/10/2023
30.	KAVIBHARATHI.S	560021523530	Deepam Hospitals	3/10/2023 – 19/10/2023
31.	KAVIYA .S	560021523531	Deepam Hospitals	12/2/2024 – 28/2/2024
32.	KESAVAN.P	560021523532	Deepam Hospitals	12/2/2024 – 28/2/2024
33.	KIRUBANIDHI.R	560021523533	Deepam Hospitals	12/2/2024 – 28/2/2024
34.	KIRUTHIKA.P	560021523534	Deepam Hospitals	12/2/2024 – 28/2/2024
35.	MEGALA.G	560021523535	Deepam Hospitals	12/2/2024 – 28/2/2024
36.	MOHAMMED KABEER.A	560021523536	Deepam Hospitals	12/2/2024 – 28/2/2024
37.	RANISH.G	560021523537	Deepam Hospitals	12/2/2024 – 28/2/2024
38.	SARAN MOHAN.R	560021523538	Deepam Hospitals	12/2/2024 – 28/2/2024
39.	SASIKALA.G	560021523539	Deepam Hospitals	12/2/2024 – 28/2/2024
40.	SATHYA JASMINE.A	560021523540	Deepam Hospitals	12/2/2024 – 28/2/2024
41.	SETHURAMAN.P	560021523541	Deepam Hospitals	12/2/2024 – 28/2/2024
42.	SOWMIYA.D	560021523542	Deepam Hospitals	12/2/2024 – 28/2/2024
43.	SRIGANTH.K	560021523543	Deepam Hospitals	12/2/2024 – 28/2/2024
44.	SUGASHINI.M	560021523544	Deepam Hospitals	12/2/2024 – 28/2/2024
45.	SUNDHAR.S	560021523545	Deepam Hospitals	12/2/2024 – 28/2/2024
46.	SURIYA.M	560021523546	Deepam Hospitals	12/2/2024 – 28/2/2024
47.	SYED ABDULLA.A	560021523547	Deepam Hospitals	12/2/2024 – 28/2/2024
48.	TAMILMANI.P	560021523548	Deepam Hospitals	12/2/2024 – 28/2/2024
49.	THIRUMALAI.R	560021523549	Deepam Hospitals	12/2/2024 – 28/2/2024
50.	THIRUMENINATHAN.M	560021523550	Deepam Hospitals	12/2/2024 – 28/2/2024
51.	UMA SHANKARIE	560021523551	Deepam Hospitals	12/2/2024 – 28/2/2024



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and The Directorate of Medical Education, Chennai.

52.	VAITHEESWARI.V	560021523552	Deepam Hospitals	12/2/2024 – 28/2/2024
53.	VIGNESH.C	560021523553	Deepam Hospitals	12/2/2024 – 28/2/2024
54.	VIGNESH.S	560021523554	Deepam Hospitals	12/2/2024 – 28/2/2024
55.	VIJAYASARATHI.S	560021523555	Deepam Hospitals	12/2/2024 – 28/2/2024
56.	VIMAL.R	560021523556	Deepam Hospitals	12/2/2024 – 28/2/2024
57.	VINOTHINI.A	560021523557	Deepam Hospitals	12/2/2024 – 28/2/2024
58.	VISHALATCHI.K	560021523558	Deepam Hospitals	12/2/2024 – 28/2/2024
59.	YAZHINI.B	560021523559	Deepam Hospitals	12/2/2024 – 28/2/2024
60.	S.YUVAKIRUTHIGA	560021523560	Deepam Hospitals	12/2/2024 – 28/2/2024




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and The Directorate of Medical Education, Chennai.

Ref - B.Pharm/HFT/2023-24

Date:29/9/2023

To

The chairman/ managing director,
Deepam Hospital,
No.327 Muthurangam Road,
Tambaram.

Respected sir,

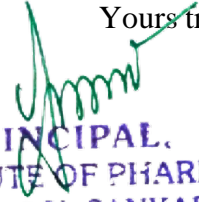
Sub: Requisition letter to permit our B.Pharmacy students to get clinical research training on Health Care Facility at your esteemed Hospital - Reg.

I am writing to formally request your esteemed hospital's cooperation in allowing our second-year B.Pharmacy students to undertake clinical research training at your facility. We propose a training period of 15 days, during which the students will be divided into various batches. Each batch will rotate through different departments within your hospital according to a prearranged schedule. This field experience is essential for our student's professional growth, providing them with valuable insights and practical skills in a real-world healthcare environment. We assure you that the students will respect the hospital's operations and will strive to integrate seamlessly without disrupting the day-to-day activities.

Thanking you,



Yours truly


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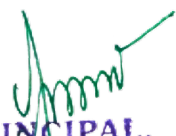
Date: 20/10/2023

CLINICAL RESEARCH TRAINING

This is to certify that below mentioned IInd B Pharm students from SS Institute of Pharmacy, Sankari, Salem has successfully completed 15 days (3/10/2023 – 19/10/2023) of health care facility & basic learning of Clinical Research training in Deepam Hospitals, Chennai.

S.no	Name of the student	Register no
1	ABINESH. S	560021523501
2	ABISHEK.B	560021523502
3	ABISURYA .C	560021523503
4	ANANDASIVAM.T	560021523504
5	ANBU .R	560021523505
6	ARAVINTH.M	560021523506
7	ARCHANA.A	560021523507
8	ARIVILKUMAR.P	560021523508
9	ARUN .A	560021523509
10	ARUN KUMAR .K	560021523510
11	ARUNKUMAR.M	560021523511
12	BALAMURUGAN.B	560021523512
13	BATHRINATH.A	560021523513
14	BOOPATHI.G	560021523514
15	BOOPATHI.P	560021523515

Chairman/ Director


PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301




Date: 20/10/2023

CLINICAL RESEARCH TRAINING

This is to certify that below mentioned IInd B Pharm students from SS Institute of Pharmacy, Sankari, Salem has successfully completed 15 days (3/10/2023 – 19/10/2023) of health care facility & basic learning of Clinical Research training in Deepam Hospitals, Chennai.

S.no	Name of the student	Register no
1	CHITHARTHA.M	560021523516
2	DEVIPRIYA.K	560021523517
3	DHATCHNAMOORTHIL.K	560021523518
4	DHIVYA.N	560021523519
5	ESAI MOZHI.S	560021523520
6	GAYATHRI.S	560021523521
7	GOPIKA.K	560021523522
8	GOPI.K	560021523523
9	GURUMOORTHIL.M	560021523524
10	HARIPRIYA.K	560021523525
11	JOTHIPRAKASH.P	560021523526
12	KARTHICK KANNAN.S	560021523527
13	KARTHICK.K	560021523528
14	KARTHIKEYAN.M	560021523529
15	KAVIBHARATHI.S	560021523530

Chairman/ Director


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SALEM - 637301




Date: 29/02/2024

CLINICAL RESEARCH TRAINING

This is to certify that below mentioned IInd B Pharm students from SS Institute of Pharmacy, Sankari, Salem has successfully completed 15 days (12/02/2024 to 28/02/2024) of health care facility & basic learning of Clinical Research training in Deepam Hospitals, Chennai.

S.no	Name of the student	Register no
1	KAVIYA .S	560021523531
2	KESAVAN.P	560021523532
3	KIRUBANIDHI.R	560021523533
4	KIRUTHIKA.P	560021523534
5	MEGALA.G	560021523535
6	MOHAMMED KABEER.A	560021523536
7	RANISH.G	560021523537
8	SARAN MOHAN.R	560021523538
9	SASIKALA.G	560021523539
10	SATHYA JASMINE.A	560021523540
11	SETHURAMAN.P	560021523541
12	SOWMIYA.D	560021523542
13	SRIGANTH.K	560021523543
14	SUGASHINI.M	560021523544
15	SUNDHAR.S	560021523545


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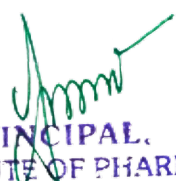


Date: 29/02/2024

CLINICAL RESEARCH TRAINING

This is to certify that below mentioned IInd B Pharm students from SS Institute of Pharmacy, Sankari, Salem has successfully completed 15 days (12/02/2024 to 28/02/2024) of health care facility & basic learning of Clinical Research training in Deepam Hospitals, Chennai.

S.No	Name of the student	Register no
1	SURIYA.M	560021523546
2	SYED ABDULLA.A	560021523547
3	TAMILMANI.P	560021523548
4	THIRUMALAI.R	560021523549
5	THIRUMENINATHAN.M	560021523550
6	UMA SHANKARIE	560021523551
7	VAITHEESWARI.V	560021523552
8	VIGNESH.C	560021523553
9	VIGNESH.S	560021523554
10	VIJAYASARATHI.S	560021523555
11	VIMAL.R	560021523556
12	VINOTHINI.A	560021523557
13	VISHALATCHI.K	560021523558
14	YAZHINI.B	560021523559
15	S.YUVAKIRUTHIGA	560021523560


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HOSPITAL FIELD TRAINING

DEEPAM HOSPITALS GROUP



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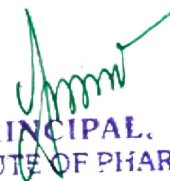
K. KARTHECK

For having completed the training both practical and theory in

CLINICAL RESEARCH

From 3/10/2023 TO 19/10/23




PRINCIPAL,
SANKARI INSTITUTE OF PHARMACY,
SANKARI (TK), SALEM - 637301


Head of the Department





MediCareers



**GANDHI
FOUNDATION**

DEEPAM ACADEMY OF MEDICAL SCIENCES

Has Conferred upon

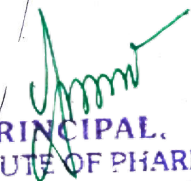
K. Gopu

For having completed the training both practical and theory in

CLINICAL RESEARCH

From 3/10/2023 TO 19/10/2023




PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301


Head of the Department





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DEEPAM ACADEMY OF MEDICAL SCIENCES

Has Conferred upon

G. SASIKALA

For having completed the training both practical and theory in

CLINICAL RESEARCH

From .12.12.2024 TO ..28.12.2024



[Signature]
PRINCIPAL,
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[Signature]

Head of the Department





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FOUNDATION

DEEPAM ACADEMY OF MEDICAL SCIENCES


Has Conferred upon

G. BOOPATHI.

For having completed the training both practical and theory in

CLINICAL RESEARCH

From 03/10/2023... TO 19/10/2023.


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SALEM - 637301




Head of the Department





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DEEPAM ACADEMY OF MEDICAL SCIENCES

Has Conferred upon

A. VINOTHINI

For having completed the training both practical and theory in

CLINICAL RESEARCH

From 12/2/2024 TO 28/2/2024



[Signature]
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[Signature]
Head of the Department





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B.Pharm Students Undertaking Project Work/ Field Work/ Internship
For The Academic Year 2023 – 2024

S.NO	DESCRIPTION
1	Certificate of Head of institution
2	List of B.Pharm Students Undertaking Project Work/ Field Work/ Internship-HOI
3	List of Students Undertaking Project Work/ Field Work/ Internship



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Certificate Of Head Of Institution



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Dr.C.Jothimanivannan.,M.Pharm.,Ph.D.


Principal

TO WHOMSOEVER IT MAY CONCERN

Number of students under taking **Project Work/** Field Work/ Internship for the academic year 2023 - 2024 is 55.

The student participated in more than one activity has been counted as **one** only.




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and The Directorate of Medical Education, Chennai.

Dr.C.Jothimanivannan.,M.Pharm.,Ph.D.

Principal

To whomsoever it may concern

This Is To Certify That The List Of **B.Pharm** Students_Under Taking **Project Work/**
Field Work/ Internship For The Academic Year 2023 – 2024 Are Given Below.

S. No	Register No	Name Of The Student	Year	Project Work Topic	Guide
1	561997227	PRADEEP .B	IV	PHARMACOGNOSTICAL, PHYTOCHEMICAL & INVITRO ANTI- LICE ACTIVITY OF ETHANOLIC EXTRACT OF CITRUS HYSTRIX	Mr.T. SAMPATH KUMAR., M.PHARM
	561997234	SANTHOSHKUMAR.N	IV		
	561997236	SHALINI .M	IV		
	561997238	SREEJITH .S	IV		
	561997247	VIJAYAKUMAR .A	IV		
2	561997235	SARANKUMAR.T	IV	IN-VITRO ACTIVITY OF ETHANOLIC EXTRACT OF ALBIZIA AMARA IN INDIAN ADULT EARTH WORMS (PHERETIMA POSTHUMA)	Mrs. M. VANITHA., M.PHARM.
	561997237	SHANMUGAM.G	IV		
	561997239	SRINIVASAN.M	IV		
	561997240	SRITHER.R	IV		
	561997244	TAMILSELVAN.R	IV		
3	561997208	DEEPASREE. M	IV	FORMULATION & EVALUATION OF FAST DISSOLVING ORAL THIN FILMS OF ATORVASTATIN CALCIUM	Mrs.K.Sowndarya., M.PHARM
	561997216	HEMAVATHI. D	IV		
	561997221	KUMANAN. N.V	IV		
	561997226	PAVENDHARAN .S	IV		
4	561997204	ARUN .S	IV	FORMULATION & EVALUATION OF QUETIAPINE FUMARATE FLOATING TABLETS BY NON EFFERVESCENT TECHNIQUE	Mrs. M GOMATHI M. Pharm
	561997209	DHANASEKARAN .A	IV		
	561997214	GOKUL PRASATH .M	IV		
	561997215	GOKULNATH .M	IV		
	561997217	KAMALESH .S	IV		
5	561997241	SUBASHINI .M	IV	PHYTOCHEMICAL & ANTIMICROBIAL	Dr.C.Jothimanivannan M.PHARM.,Ph.D.

NH-544, Kuppanur (Po), Sankari (Tk), Salem(Dt) – 637301, Tamilnadu, India

Phone : 04283 241080 | E-mail : ssip1718@gmail.com | Website : www.ssip.edu.in

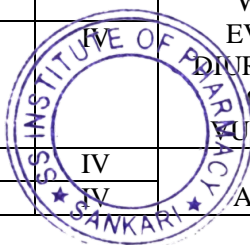


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	561997243	SURYAPRAKASH .M	IV	ACTIVITY EVALUATION OF ROOT OF ROOT EXTRACT OF VITEX NEGUNDO LINN	
	561997245	THANGAPANDIYAMM AL.I	IV		
	561997246	VEERASELVAN .V	IV		
	561997248	VIJAYAKUMAR .M	IV		
6	561997229	PRAMESHWARAN. A	IV	INVITRO EVALUATION OF INVITRO EVALUATION OF ANTIFUNGAL POTENCY OF THE PLANT EXTRACTS OF DIFFERENT PARTS OF CELOSIA ARGENTEA LINN CANDIDA SPECIES	Mrs. M. VANITHA., M.PHARM
	561997230	PRIYANKA. P	IV		
	561997231	RAJAGURU. A	IV		
	561997242	SURESH. M	IV		
	561997249	VINITHA. A	IV		
7	561997203	ARTHI. A	IV	ANALYTICAL METHOD DEVELOPMENT VALIDATION FOR THE DETERMINATION OF NICORANDIL BY UFIC IN ORAL SOLID DOSAGE FORMS	Mr.S.PRAVINKUMAR. M.PHARM
	561997206	ARUNKUMAR. K	IV		
	561997207	AZHAGIRI. T. K	IV		
	561997223	MANIKANDAN. S	IV		
	561997224	MUTHUKANNAN. S	IV		
8	561997202	ANUSUYA. N	IV	FORMULATION & EVALUATION OF HERBAL CREAM BY USING BAUHINIA TOMENTOSA FOR EVALUATION OF ANTI INFLAMMATORY ACTIVITY	Mrs.C.KALAISELVI, M.Pharm., (Ph.D)., Associate Professor
	561997205	ARUNKUMAR. D	IV		
	561997213	ELAVARASAN. E	IV		
	561997218	KARTHICK. D	IV		
	561997219	KARTHIKEYAN. R	IV		
A 9	561997250	VINOTHKUMAR.R	IV	FORMULATION & EVALUATION OF MATRIX TYPE TRANSDERMAL PATCHES OF IBUPROFEN	Mrs. P.NANDHITHA M. PHARM.. Assistant Professor
	560020523560	MYVIZHIKANNAN.R	IV		
	560020523563	PRAKASH.V	IV		
	560020523565	SUGAVARSHAN.C	IV		
	560020523566	VETRIVEL.R	IV		
10	561997228	PRADEEP. T	IV	PHARMACOGNOSTICAL & PHARMACOLOGICAL ANALYSIS OF PHYTOCHEMICALS, WITH IN-VITRO EVALUATION OF DIURETIC ACTIVITIES ON BAMBUSA VULGARIS LEAFES	Mrs.V.DEEPABHARATHI M.PHARM..
	5600205235 58	GNANAVEL.S	IV		
	5600205235 59	GOKUL. K	IV		
	5600205235 61	NANDHAKUMAR. D	IV		
11	561997210	DHARUN. A	IV	IN-VITRO ANTHELMINTIC	Mr.M.PRATHAN KUMAR
	561997212	DINESH.T	IV		



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5600205235 62	NANDHAKUMAR. S	IV	ACTIVITY OF VARIOUS EXTRACT OF ABUTILON INDICUM IN INDIAN ADULT EARTHWORMS (PHERETIMA POSTHUMA)	M.PHARM., ASSISTANT PROFESSOR
5600205235 62	NANDHAKUMAR. S	IV		
5600205235 64	SATHISHKUMAR. V	IV		




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KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



**“Formulation and Evaluation of Fast Dissolving Oral Thin
Films Of Atorvastatin Calcium”**

A Dissertation submitted to

THE TAMILNADU Dr. M.G.R. MEDICAL UNIVERSITY

Chennai-600032

In partial fulfillment for the award of degree of

BACHELOR OF PHARMACY

Submitted by

M.DEEPASREE REG.NO: 561997208

D.HEMAVATHI REG.NO: 561997216

N.V.KUMANAN REG.NO: 561997221

S.PAVENDHARAN REG.NO: 561997226

Under the Guidance of

Mrs.K. SOWNDARYA., M.PHARM.,

DEPARTMENT OF PHARMACEUTICS



SS INSTITUTE OF PHARMACY

SANKARI, SALEM (DT), TAMIL NADU - 637301

SEPTEMBER-2023 (Dec-2023)



[Signature]
**PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301**



CERTIFICATE

This is to certify that the Project entitled "*Formulation and evaluation of fast dissolving oral film of atorvastatin calcium*" submitted to The Tamilnadu Dr. M.G.R Medical University, Chennai, is a bonafide project work of

N.V.KUMANAN

REG.NO: 561997221

S.PAVENDHARAN

REG.NO: 561997226

D.HEMAVATHI

REG.NO: 561997216

M.DEEPASREE

REG.NO: 561997208

in partial fulfillment of the degree of Bachelor of Pharmacy under the guidance of **Mrs. K. SOWNDARYA, M.Pharm., Assistant Professor, Dept. of Pharmaceutics, SS Institute of Pharmacy, Sankari, Salem.**

Dr. C. Jothimanivannan., M.Pharm., Ph.D.,

Principal,

SS Institute of Pharmacy,

Sankari, Salem - 637301.

Place:SS Institute of Pharmacy, Sankari- 637301.

Date: 30.12.2023.



PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



CERTIFICATE

This is to certify that the Project entitled "*Formulation and evaluation of fast dissolving oral film of atorvastatin calcium*" submitted to The Tamilnadu Dr. M.G.R. Medical University, Chennai, is a bonafide project work of

N.V.KUMANAN

REG.NO: 561997221

S.PAVENDHARAN

REG.NO: 561997226

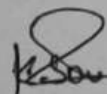
D.HEMAVATHI

REG.NO: 561997216

M.DEEPASREE

REG.NO: 561997208

in partial fulfillment of the Degree of Bachelor of Pharmacy under my guidance and supervision in the Department of Pharmaceutics, SS Institute of Pharmacy, Sankari, Salem.

 30/12/23

Mrs. K. SOWNDARYA., M.Pharm.,

Supervisor/guide, Asst. Professor,

Department of Pharmaceutics,

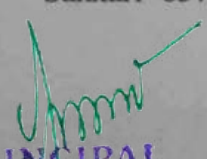
SS Institute of Pharmacy,

Sankari- 637301.

Place :SS Institute of Pharmacy, Sankari- 637301.

Date : 30.12.2023

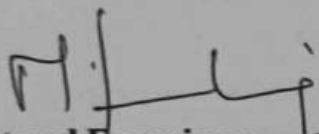


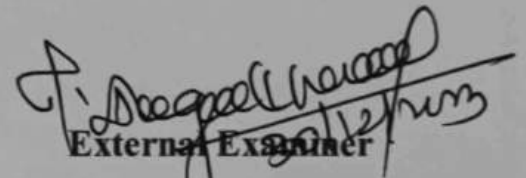

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SALEM - 637301



DECLARATION

The work presented in this dissertation entitled "*Formulation and evaluation of fast dissolving oral film of atorvastatin calcium*" was carried out by N.V.KUMANAN (REG.NO:561997221), S.PAVENDHARAN (REG.NO:561997226), D.HEMAVATHI (REG.NO:561997216), M.DEEPASREE (REG.NO:561997208), to The Tamilnadu Dr. M.G.R. Medical University, Chennai, in partial fulfillment for the degree of Bachelor of Pharmacy was carried out by the candidates at the department of pharmaceutics, under the supervision of Mrs. K. SOWNDARYA, M.Pharm., Assistant Professor, Dept. of Pharmaceutics, SS Institute of Pharmacy, Sankari, during the academic year 2022-23. We further declare that this work is original and has not been submitted in part or full for the award of any other degree or diploma in any other university.


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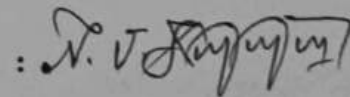

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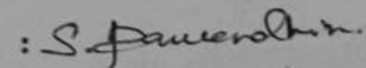
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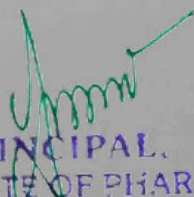
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SUMMARY AND CONCLUSION

- OTFs have emerged as a revolutionary trend and most pharmaceutical companies in this field continue their research and development activities to adapt their drugs in various categories to this technology
- The present study indicates a good orally fast dissolving films containing atorvastatin calcium for systemic delivery with an added advantage of faster drug action.
- Finally, it is concluded that the drug release from the fast dissolving film was increased by using the increased concentration of superdisintegrant, thus assisting in faster disintegration in the buccal cavity.
- As the drug having low solubility, fast disintegration may leads to more drug availability for dissolution, resulting in faster absorption in systemic circulation increased systemic availability of drug may leads to quick onset of action.
- The formulation F4 was found to be best formulation which releases 98.95 % of the drug within 15 min and disintegration time is 168sec which was significantly high when compared to other formulation.




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**PHYTOCHEMICAL AND ANTIMICROMICROBIAL ACTIVITY
EVALUATION OF ROOT EXTRACT OF VITEX NEGUNDO Linn**

A Dissertation submitted to

THE TAMILNADU Dr. M.G.R. MEDICAL UNIVERSITY

Chennai-600032

In partial fulfillment for the award of degree of

BACHELOR OF PHARMACY

Submitted by

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M. SURIYAPRAKASH	REG.NO:561997243
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V.VEERASELVAN	REG.NO:561997246
M .VIJAYKUMAR	REG.NO:561997248

Under the Guidance of

Dr. C. JOTHIMANIVANNAN, M.PHARM., Ph.D

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

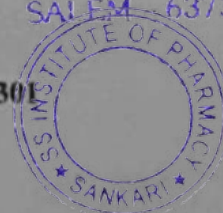


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The work presented in this dissertation entitled "phytochemical and Pharmacological Antimicrobial activity of root extract of vitex negundo linn" was Carried out by **M.SUBASHINI (561997241), V.VEERASELVAN (561997246), I.THANGAMPANDIYAMMAL (561997245), M.SURIYAPRAKESH (561997243)**

M.VIJAYKUMAR (561997248), to the Tamilnadu Dr.MGR.medical university, Chennai, in partial fulfillment for the degree of Bachelor of Pharmacy was carried out by the candidate at the department of pharmacology, under the supervision of **Dr. C. Jothimanivannan, M.Pharm., Ph.D.**, Department of Pharmaceutical Chemistry SS Institute of Pharmacy, Sankari, during the academic year Aug 2023 (March 2023). We further declare that this work is original and has not been submitted in part or full for the award of any other degree in any other university.

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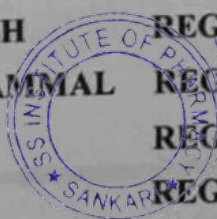
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CHAPTER- VIII

8. SUMMARY AND CONCLUSION

Antimicrobial properties of medicinal plants are being increasingly reported from different parts of the world.

The World Health Organization (WHO) estimates the plant extract or active constituents are used as folk medicine in traditional therapies of 80% of the world population.

In the present work the aqueous extract obtained from *Vitex negundo* linn roots showed strong activity against the selected microbial strains.

The result of phytochemical in the present investigation showed that the plant contains effective constituents like alkaloid, glycosides, flavonoids, tannins, amino acids, proteins and reducing sugar.

In this study different concentration of aqueous root extract 25 μ l, 50 μ l, 75 μ l, 100 μ l. Were used against the different microbial strains shows increase in zone of inhibition was observe on increasing the concentration of aqueous root extract.

Among the different microbial strains a significant inhibitory action was observed against *Staphylococcus* (G+ve), *E.Coli* (G-ve) and a minimal inhibitory action against *Streptococcus* (G-ve). However further studies are needed to better evaluate the potential effectiveness of the crude extract, attempt is worth to isolate a broad spectrum antimicrobial agents.

The present result will form the basis for selection investigation in the potential discovery of new natural bio-active compound.




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**FORMULATION AND EVALUATION OF MATRIX TYPE
TRANSDERMAL PATCHES OF IBUPROFEN**

Dissertation submitted to

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*In partial fulfillment for the award of degree of
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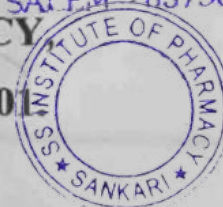
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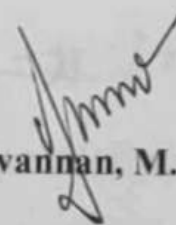




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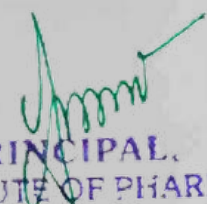
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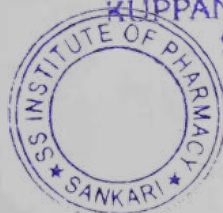
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Place: Sankari


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CERTIFICATE

This is to certify that the dissertation entitled **"FORMULATION AND EVALUATION OF MATRIX TYPE TRANSDERMAL PATCHES OF IBUPROFEN"** is the bonafide work carried out **Mr.VINOTH KUMAR R, Mr.MYVIZHIKANNAN R, Mr.PRAKASH V, Mr.SUGAVARSAN C, Mr.VETRIVEL R,** under my guidance and supervision. This is forwarded to The Tamilnadu Dr. M.G.R. Medical University, Chennai in a partial fulfillment of requirements for the award of degree of Bachelor of Pharmacy.

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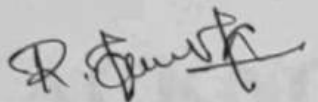


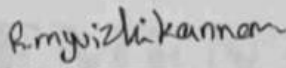
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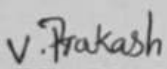


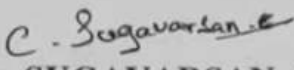
DECLARATION

We hereby declare that this dissertation entitled "**FORMULATION AND EVALUATION OF MATRIX TYPE TRANSDERMAL PATCHES OF IBUPROFEN**" has been carried out by us under the Guidance and supervision of **Mrs.P.Nandhitha, M.Pharm, Assistant professor**, SS Institute of Pharmacy, Sankari. In a partial fulfillment of requirements for the Bachelor of Pharmacy Degree Course. We further declare that we have not submitted this dissertation previously for the award of any degree or diploma.


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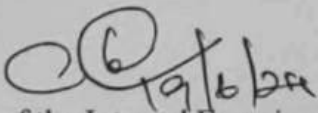

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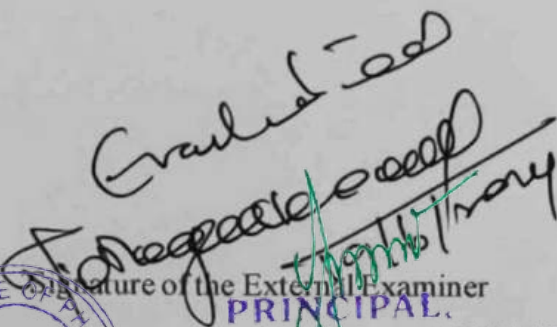
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CHAPTER XI

SUMMARY AND CONCLUSION

In the present work an attempt has been made to formulate and evaluate the transdermal patches of Ibuprofen using various types of polymers (Methylcellulose, Hydroxy propyl methyl cellulose, & Polyvinyl pyrrolidone).

The results of compatibility studies by Fourier transform infrared spectroscopy and showed no interaction between the drug and polymers.

The polymers Hydroxypropyl methyl cellulose & Polyvinyl pyrrolidone in 1:2 ratio used for the formulation of transdermal patches showed good film forming property when compared to other polymer ratios.

The patches prepared by using Polyvinyl pyrrolidone were thin, flexible, smooth and transparent whereas the patches prepared by without using Polyvinyl pyrrolidone were thin, flexible, smooth and opaque.

The weight variation test showed less variation in weight and suggesting uniform distribution of drug and polymer.

The thickness of the transdermal patches showed less variation among all the polymers with different ratios.

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Polymer patches with methyl cellulose, HPMC & PVP of ratio 3:7:7, & HPMC & PVP of ratio 2:1 & 1:1 showed good flexibility and folding endurance properties when compared to other patches.

All the formulations showed 100% flatness which indicating that all patches could maintain a smooth surface when applied on to the skin.

The moisture content in the patches were found to low and the formulations containing polymers are hydrophillic polymer so it should be carefully packed along with dessicant.

The drug content analysis showed minimum variations suggesting uniform distribution of drug. *In vitro* release studies showed that drug release of the formulations containing 2:1 ratio of HPMC & PVP (F₆) shows best results.

Hence it was concluded that solvent casting method was useful for successful development of matrix type transdermal patches of Ibuprofen. The controlled release of drug from the transdermal patches suggested that the frequency of administration can be reduced.

The transdermal patches can improve the bioavailability of the Ibuprofen by avoiding hepatic first pass metabolism. The present investigation suggested that the matrix type transdermal patches of Ibuprofen could be explored for the management of fever, pain, Inflammatory response.



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**"ANALYTICAL METHOD DEVELOPMENT AND
VALIDATION FOR THE DETERMINATION OF
NICORANDIL BY UFLC IN ORAL SOLID DOSAGE
FORMS"**

A Dissertation submitted to

THE TAMILNADU Dr. M.G.R. MEDICAL UNIVERSITY

Chennai-600032

In partial fulfillment for the award of degree of

BACHELOR OF PHARMACY

Submitted by

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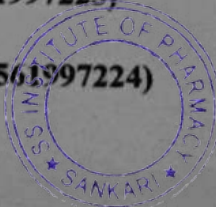
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ANALYTICAL MEHOD DEVELOPMENT AND VALIDATION FOR THE DETERMINATION OF NICORANDIL BY UFLC IN ORAL SOLID DOSAGE FORMS

7. SUMMARY AND CONCLUSION

Parameters		Nicorandil	LIMIT
Linearity: Regression equation($Y=mx+c$)		$y = 0.0000x - 5.2442$ ($r^2 = 0.9993$)	r^2 not less than 0.99
Assay (% mean assay)		100.78%	98%-102%
Specificity		Complies	No interference of any peak
Method precision %RSD		0.51 %	RSD NMT 2.0%
Intermediate precision day-01 %RSD		0.66%	RSD NMT 2.0%
Intermediate precision day-02 %RSD		0.71%	RSD NMT 2.0%
Accuracy %		99.18% to 100.91%	98-102%
Robustness	FM	0.82%	%RSD NMT 2.0
	FP	0.48%	
	WM	0.48%	
	WP	0.68%	

Conclusion:

A simple, Accurate, precise method was developed for the simultaneous estimation of the Nicorandil in solid dosage form. Retention time of Nicorandil was found 2.173min. %RSD of the Nicorandil found 0.13%. %Assay was obtained as 100.78% for Nicorandil. Regression equation of Nicorandil is $y=0.0000x-5.2442$ & $r^2 = 0.9993$. Retention times were decreased and that run time was decreased, so the method developed was simple and economical that can be adopted in regular Quality control test in Industries.



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**FORMULATION AND EVALUATION OF HERBAL CREAM BY USING
BAUHINIA TOMENTOSA FOR EVALUATION OF ANTI INFLAMMATORY
ACTIVITY**

**THE TAMILNADU DR. M.G.R. MEDICAL UNIVERSITY
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In partial fulfilment for the award of degree of

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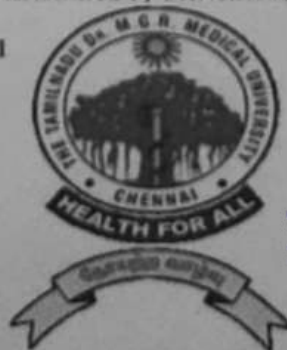
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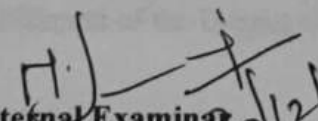


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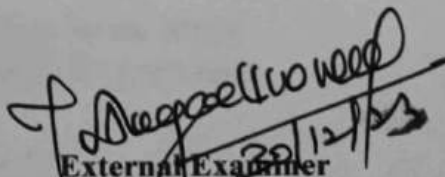
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CHAPTER X

10. SUMMARY AND CONCLUSION

10.1 SUMMARY AND CONCLUSION

The topic of our research work is "**FORMULATION AND EVALUATION OF HERBAL CREAM BY USING BAUHINIA TOMENTOSA FOR EVALUATION OF ANTI INFLAMMATORY ACTIVITY** "

Herbal medicines are the oldest form of health care known to mankind. Though there are several allopathic medicines available, many people still rely on nature which has blessed human kind with abundant medicinal plants for prevention and cure of disease.

The risk of inflammation is still increasing world-wide. Many synthetic drugs are commonly used to treat the different types of inflammation conditions. Even though there is an availability of different synthetic drugs to treat inflammation, an exploration of herbal medicine is essential to meet out the cure for the same. Herbs that are having potential anti-inflammation activity are used to further develop novel drugs nowadays. Among those, two particular plants especially medicinal herbs are

The plants have flavanoids which may be responsible for their potential anti-inflammatory properties as mentioned in the traditional claim. In the present research work, an unique combination of active extracts of the herbs are chosen to formulate a herbal CREAM for the treatment of inflammation. Thus, the study is an attempt to evaluate the anti- inflammation activity of herbal CREAM containing active extracts of Bauhinia Tomentosa . The review of literature showed that the formulation of herbal CREAM containing combined active extracts of Bauhinia Tomentosa and evaluation of anti- inflammation activity has not been reported so far

The project entitled "**FORMULATION AND EVALUATION OF HERBAL CREAM BY USING BAUHINIA TOMENTOSA FOR EVALUATION OF ANTI INFLAMMATORY ACTIVITY**" has been achieved with the following results.

The above findings helps to standardize both morphology and anatomical characters. The Physicochemical parameters like Ash values and Extractive values are



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**"Pharmacognostical , Phytochemical and Invitro Anti-Lice
activity of Ethanolic extract of *Citrus hystrix*"**

A Dissertation submitted to

THE TAMILNADU Dr. M.G.R. MEDICAL UNIVERSITY

Chennai-600032

In partial fulfillment for the award of degree of

BACHELOR OF PHARMACY

Submitted by

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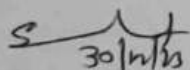


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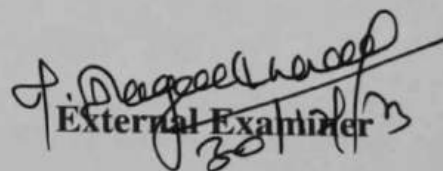


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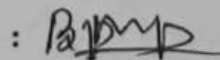
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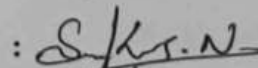
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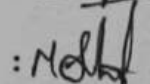
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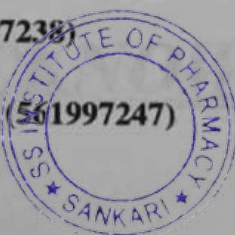
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Summary

The project on the antilice activity of *Citrus hystrix* involved comprehensive investigations, including pharmacognostical studies, phytochemistry studies, and in vitro anti-lice studies.

The pharmacognostical studies provided valuable insights into the botanical characteristics and identification of *Citrus hystrix*.

Phytochemistry studies revealed the presence of bioactive compounds in the plant, contributing to its medicinal properties.

The in vitro anti-lice studies involved the introduction of lice across different concentrations, demonstrating notable activity.

Conclusion:

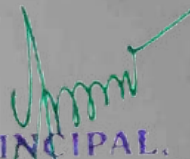
In conclusion, the collective findings of the project underscore the potential of *Citrus hystrix* as a promising candidate for anti-lice treatments.

The integration of pharmacognostical and phytochemistry studies enriched our understanding of the plant's composition.

The in vitro anti-lice studies further affirmed its efficacy, albeit with variations in activity levels across concentrations.

This research lays the foundation for future exploration and development of *Citrus hystrix*-based formulations for combating lice infestations.




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**IN-VITRO ACTIVITY OF ETHONOLIC EXTRACT OF *ALBIZIA AMARA*
IN INDIAN ADULT EARTH WORMS (*PHERETIMA POSTHUMA*)**

A Dissertation submitted to

THE TAMILNADU Dr. M.G.R. MEDICAL UNIVERSITY

Chennai-600032

In partial fulfillment for the award of degree of

BACHELOR OF PHARMACY

Submitted by

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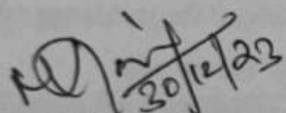
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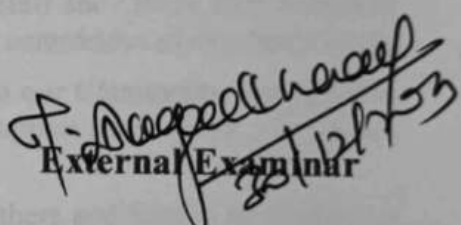


DECLARATION



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8. DISCUSSION

Albizia Amara worldwide growing plant exhibits potent diabetic, anti inflammatory, anti oxidant and antihypertensive activity, anti oxidant (Tamaki Hajime b, et al., 2008), Anti ulcer (Thamotharan G et al., 2012). In the present study, we have tested the anti-hyperglycemic potency of *Albizia Amara* ethanolic extract in Alloxan induced diabetic rats as well as anti- hyperlipidemic activity. It is suggested that the anti-hyperglycemic and anti-hyperlipidemic activities of the plant is due to the active principles of plant source. The phytochemical screening of the ethanolic leaf extract shown that isolation and identification of four flavanoids glycosides such as Rutin, apigenin 6-neohesperidose, kaempferol 3-robinobioside and kaempferol 3-rutinoside (Rakesh kumar gupta *et al.*, 2012) and alkaloids, carbohydrates, glycosides, tannins, and triterpens. (Wollenweber *et al.*, 1988).

Phytochemical screening of the crude extracts revealed the presence of flavonoids and polyphenolic compound as one of the major chemical constituents. Polyphenolic compounds shown activity; chemically tannins are polyphenolic compounds. (Bate-Smith E.C. 1962) Some synthetic phenolic s e.g., niclosamide, oxyclozanide and bithionol are shown to interfere with energy generation in helminth parasites by uncoupling oxidative phosphorylation. (Martin R.J. 1997).

It is possible that tannins contained in the extracts of *Albizia Amara* produced similar effects. Another possible effect of tannins is that they can bind to free protein in the gastrointestinal tract of host animal or glycoprotein on the cuticle of the parasite and cause death. (Mali R.G. et al., 2008)

Ethanolic leaves extracts of the *Albizia Amara* showed better activity in dose





**PHARMACOGNOSTICAL AND PHARMACOLOGICAL
ANALYSIS OF PHYTOCHEMICALS, WITH *IN-VITRO*
EVALUATION OF DIURETIC ACTIVITIES ON BAMBUSA
VULGARIS LEAVES**

A Dissertation submitted to

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In partial fulfillment for the award of degree of

BACHELOR OF PHARMACY

Submitted by

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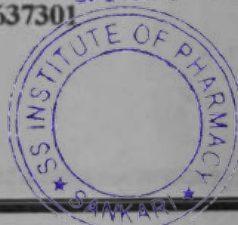
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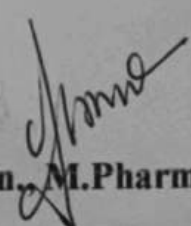
CERTIFICATE



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DECLARATION



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CONCLUSIONS

Pharmacognostical studies

The pharmacognostical studies of the leaves *Bambusa vulgaris* was carried out to confirm its unique features. This study reveals the following,

- The macroscopical studies showed the characteristics features of *Bambusa vulgaris* leaves are green colored, smooth surface, faint characteristics, astringent taste and other morphological characters has been well established. Microscopic investigations are the diagnostic features of the plant and its powder analysis helps to distinguish this particular plant (leaves) in whole form and in crude powder form, Microscopical analysis of *Bambusa vulgaris* leaves showed the pre Physiochemical constants were determined for the leaves of *Bambusa vulgaris* such as Ash values, Extractive values, loss on drying. This helps in confirming the identity and purity of this plant and to detect adulterants and its nature.
- The qualitative analysis were carried out to identify inorganic elements present in the plant.

Phytochemical Studies:

- The phytochemical studies on the leaves of *Bambusa vulgaris* were carried out to bring its importance as valuable medicinal plant.
- The leaves were extracted with ethanol using soxhlet apparatus and the percentage yield was found to be 3.076% W/W
- The plant powder and extracted were subjected to preliminary phytochemical analysis. The preliminary screening analysis reveals the presence of glycosides, saponins, terpenoids, tannins and phenols, steroids, fixed oils and fats, flavonoids.
- TLC analysis of all the extracts was carried out to identify the presence of phytoconstituents.



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**IN-VITRO ANTHELMINTIC ACTIVITY OF VARIOUS
EXTRACT OF *ABUTILON INDICUM* IN INDIAN
ADULT EARTHWORMS (*PHERETIMA POSTHUMA*)**

A Dissertation submitted to

**THE TAMILNADU Dr. M.G.R. MEDICAL UNIVERSITY
Chennai-600032**

*In partial fulfillment for the award of degree of
BACHELOR OF PHARMACY*

Submitted by

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Under the Guidance of

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MARCH-2024 (MAY-2024)**



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This is to certify that the Project entitled "*IN-VITRO* ANTHELMINTIC ACTIVITY OF VARIOUS EXTRACT OF *ABUTILON INDICUM* IN INDIAN ADULT EARTHWORMS (*PHERETIMA POSTHUMA*)" submitted to The Tamilnadu Dr. M.G.R Medical University, Chennai, is a bonafide project work of

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DECLARATION

The work presented in this dissertation entitled "*IN-VITRO* ANTHELMINTIC ACTIVITY OF VARIOUS EXTRACT OF *ABUTILON INDICUM* IN INDIAN ADULT EARTHWORMS(*PHERETIMA POSTHUMA*)" was carried out by S.NANDHAKUMAR(REG.NO:560020523562), V.SATHISHKUMAR(REG.NO:560020523564), T.DINESH (REG.NO:561997212), A.DHARUN (REG.NO:561997210), M.ANANTHKUMAR (REG.NO:560020523557), to The Tamilnadu Dr. M.G.R. Medical University, Chennai, in partial fulfillment for the degree of Bachelor of Pharmacy was carried out by the candidates at the department of pharmacognosy, under the supervision of Mr. M. PRAVEEN KUMAR, M.Pharm., Assistant Professor, Dept. of Pharmacology,, SS Institute of Pharmacy, Sankari, during the academic year 2022-23. We further declare that this work is original and has not been submitted in part or full for the award of any other degree or diploma in any other university.

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CONCLUSION

The plant *Abutilon indicum* proves the Anthelmintic activity in the seeds, Malvaceae family. From the results, the ethanolic extract has potent Anthelmintic activity on *Pherethima posthuma*., compared with the standard albendazole drug. When the easy availability of the plant, it is suggested to conducting further *In vivo* studies.

The plants activity is comparable to that of standard anthelmintic drug (albendazole), making it a potential natural alternative for treating intestinal worm infestations.

Further studies are needed to isolate and characterize the specific bioactive compounds responsible for the anthelmintic activity and to evaluate the plants safety and efficacy in human clinical trials.

Overall, the studies suggest that *Abulilon indicum* has promising anthelmintics properties, making it a valuable resource for the development of natural and sustainable treatment for intestinal worm infection.




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**FORMULATION AND EVALUATION OF QUETIAPINE
FUMARATE FLOATING TABLETS BY NON EFFERVESCENT
TECHNIQUE**

Dissertation submitted to
**THE TAMILNADU DR. M.G.R. MEDICAL UNIVERSITY,
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This is to certify that the dissertation entitled "**FORMULATION AND EVALUATION OF QUETIAPINE FUMARATE FLOATING TABLETS BY NON EFFERVESCENT TECHNIQUE**" is the bonafide work carried out by **Mr.Arun S, Mr.Dhanasekaran A, Mr.Gokul prasath.M, Mr.Gokulnath M, Mr.Kamalesh.S** under the guidance of **Mrs.M.Gomathi, M.PHARM., Associate Professor, Department of Pharmaceutics, SS Institute of Pharmacy, Sankari,Salem** in partial fulfillment of requirements for the award of degree of Bachelor of Pharmacy.

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We hereby declare that this dissertation entitled "**FORMULATION AND EVALUATION OF QUETIAPINE FUMARATE FLOATING TABLETS BY NON EFFERVESCENT TECHNIQUE**" has been carried out by us under the Guidance and supervision of **Mrs.M. Gomathi, M.Pharm, Associate professor, SS Institute of Pharmacy, Sankari**. In a partial fulfillment of requirements for the Bachelor of Pharmacy Degree Course. We further declare that we have not submitted this dissertation previously for the award of any degree or diploma.

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CHAPTER XII

SUMMARY AND CONCLUSION

- Gastro retentive Floating drug delivery system offers a simple and practical approach to achieve increased gastric residence time (GRT)
- Quetiapine Fumarate is preferentially absorbed in the proximal small intestine (narrow absorption window), the drug displays oral bioavailability problems in conventional dosage forms.
- The objective of the present investigation was to develop gastroretentive floating matrix tablet of quetiapine fumarate to achieve controlled release and improve the absorption, by retaining the drug in stomach for a prolonged period of time.
- FT-IR and DSC studies indicated that there was no interaction between drug and excipients.
- Floating matrix tablets were prepared by Non-effervescent technique using different concentrations of gel forming hydrophilic polymers.
- The formulated tablets were analysed for precompression & post compression parameters, in vitro drug release, etc.
- The precompression parameter of all the formulations were within the required limit that was suitable for formulation of the tablets.
- The postcompression parameters such as hardness, friability, uniformity in weight, & drug content of all the formulated tablets were within the acceptable limits.
- The floating lag time and duration of buoyancy were found to be satisfactory.



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**INVITRO EVALUATION OF ANTIFUNGAL POTENCY OF THE PLANT EXTRACTS
OF DIFFERENT PARTS OF *CELOSIA ARGENTEA LINN* AGAINST CANDIDA SPECIES**

A Dissertation submitted to

THE TAMILNADU Dr. M.G.R. MEDICAL UNIVERSITY

Chennai-600032

In partial fulfillment for the award of degree of

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Submitted by

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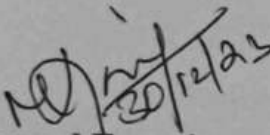
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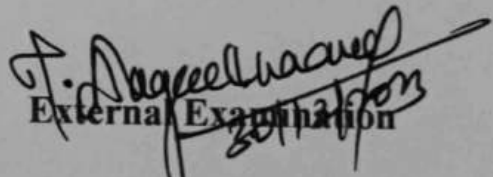

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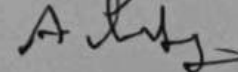

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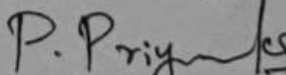

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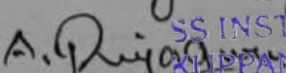
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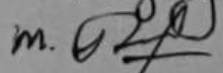
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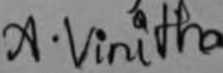
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CHAPTER X

10. SUMMARY AND CONCLUSION

The dried plant of *Celosia argentea* belonging to the family *Amaranthaceae* has been examined to gain an insight of its phytochemical and pharmacological behaviors.

The phytochemical investigation of ethanolic extract of *Celosia argentea* plant showed the presence of Flavonoids, Alkaloids, Saponins, Steroids, Triterpenoides, Glycosides, Tannins .

The ethanolic extract of dried *Celosia argentea* plant was also tested for its in vitro antifungal activity against the *candida aspergillus* , the extract also showed significant anti-fungal activity.

In conclusion, ethanolic extracts of *Celosia argentea* showed significant antifungal activity against the fungal species *candida aspergillus* by Invitro studies.

The findings of the present study concluded that the ethanolic extracts of *Celosia argentea* can effectively control the growth of fungi by invitro studies.

These plant extracts showed excellent inhibitory activity against the fungal species, *Candida aspergillus*.

Among these ethanolic extracts possessed superior antifungal activity extract of *Celosia argentea*

The present study justified the claimed used of plants in the traditional system of medicines to treat various fungal infections caused by the *Candida* species.

However, further studies are needed to better evaluate the potential effectiveness of the crude extracts as the Antifungal agents.



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