


1.3.2 Percentage of Students undertaking Project Work/Field Work/Internships (Data for the latest completed academic year)

1.3.2.1. Number of students undertaking Project Work/Field Work/Internships:


$$\text{Percentage} = 171/440 \times 100$$

$$= 38.86\%$$



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1.3.2 Percentage of Students undertaking project work/field work/internship(Data for the latest completed academic year)

Program Name	Program Code	Name of the student studied experimental learning through field work/project work/internship	Link to the relevant documents
B. Pharm.	BP 813 PW	Abhijeet Singh Rana, Abhishek Chambiyal Abhishek Dhiman, Abhishek Kumar Akanksha Thakur, Akash Thakur, Akhil Sharma Akshit Sharma, Aman Sandhu, Aman Sharma, Amit Kumar, Amita Talwar, Anchal Sharma, Aniket, Aniket Dhadwal, Aniket Kumar, Aniket Saini, Anmol Kumar, Anshul Acharya, Anshul Gautam, Arpit Bhuria, Ayush Gupta, Chandan Patyal, Deepanshu, Dhisha, Dipali Rana Ekta Sharma, Gursinder Singh, Harsh, Himanshu Himanshu Shridhar, Kajol, Ketan Kumar Mohita Thakur, Kanav Sharma, Neha Sharma, Karan Singh, Kritika Sharma, Lovely Choudhary Mahak Sharma, Manish Kumar, Mohit Dogra, Neetika Nikhil Choudhary, Nikhil Choudhary Nikhil Kumar, Nikhil Kumar, Nishant Koundal, Nikita Parlath Katoch, Pawanesh Khatta, Priyanka, Priyanka Priyanka, Guleria, Rishad, Ritesh, Ritish, Ritik Chandel Rohit, Rohit Kumar, Sahil, Sahil Choudhary Sahil Sharma, Sanchi, Shagun Sharma, Himani Dhiman Sharad Kapoor, Shashwat, Shiana, Shikha, Shivani Dixit Shivika, Shrutika, Shubham, Shubham Bagga Shubhangi, Sonam, Sourav Sanyal, Shweta Choudhary Talin Thakur, Yishakha, Vishal Kumar, Vishal Kumar, Pathania, Vishal Rana, Amit Dhiman Deeksha Rani, Priyanka Lagwal, Sanyogita, Vishal	
M. Pharm.	MPH MIPAQA	Ajay Malhotra, Aman Kumar, Anshul Sharma, Anshul Sharma, Damini Gautam, Kajal, Keshav Dhiman, Kiran, Meenaxi, Rajesh Gautam, Sahil Sharma, Shalini, Sweta, Aman Guleria, Ankita, Manisha, Nikhil, Rajat, Shivani Chaudhary Abhijeet Singh Rana, Abhishek Chambiyal Abhishek Dhiman, Abhishek Kumar Akanksha Thakur, Akash Thakur, Akhil Sharma Akshit Sharma, Aman Sandhu, Aman Sharma, Amit Kumar, Amita Talwar, Anchal Sharma, Aniket, Aniket Dhadwal, Aniket Kumar, Aniket Saini, Anmol Kumar, Anshul Acharya, Anshul Gautam, Arpit Bhuria, Ayush Gupta, Chandan Patyal, Deepanshu, Dhisha, Dipali Rana Ekta Sharma, Gursinder Singh, Harsh, Himanshu Himanshu Shridhar, Kajol, Ketan Kumar Mohita Thakur, Kanav Sharma, Neha Sharma, Karan Singh, Kritika Sharma, Lovely Choudhary Mahak Sharma, Manish Kumar, Mohit Dogra, Neetika	



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B. Pharm.	<p>Nikhil Choudhary, Nikhil Choudhary Nikhil Kumar, Nikhil Kumar, Nishant Koundal, Nikita Parlath Katoch, Pawesh Khatta, Priyanka, Priyanka Priyanka, Guleria, Rishad, Ritesh, Ritish, Ritik, Chandel Rohit, Rohit Kumar, Sahil, Sahil Choudhary Sahil Sharma, Sanchi, Shagun Sharma, Himani Dhiman Sharad Kapoor, Shashwat, Shiama, Shikha, Shivani Dixit Shivika, Shrutika, Shubham, Shubham Bagga Shubhangi, Sonam, Sourav Sanyal, Shweta Choudhary Talin Thakur, Vishakha, Vishal Kumar, Vishal Kumar, Pathania, Vishal Rana, Amit Dhiman Deeksha Rani, Priyanka Lagwal, Sanyogita, Vishal</p>
B. Pharm.	<p>AKANKSHA VERMA, AKRITI THAKUR, AKSHITA SHARMA, AKSHIT SHARMA, AKSHITA THAKUR, YAMINI KAPOOR, ANNA sharma, Abhinav dhadwal, Abhishek, Aditya sharma, Nikhil bariyan, Nikhil kumar, Paras dogra, Parul thakur, Pranav dhiman, Prince samyal, Priti, Priyanka devi, Priyanka rani, Vishal Chaudhary Divyanshi, Ekansh Sharma, Gopal Kumar, Gourav, Gourav Banyal, Harshita, Himani Sharma, Jahnavi Sharma, Kanak Guleria, Mehak Sharma, Minakshi, Mohit Kumar, Paryum Kaushal, Pratham Sharma, Shubdeep Singh, Tamanna Kumari, Vishal Jamwal, Sweety Rajwal, Sahil Chopra, Vanshika, Avyush, Abhay Koundal, Abhay Sharma, Diksha, Divya, Jaideep Chawla, Kavita Pathania, Aditya Guleria, Abhishek Kumar, Darpan Sood, Anmol Koundal, Anuket, Anvi Sharma, Kanish Rana, Navneet Kaur, Tanik Dadhwal, Shalini, Priksit Bhardwaj, Ridham</p>


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PHARMACY KATIUNG
TEH. JAWALAMUKHI
DIST. KANGRA (I.P.)

1.3.2 Percentage of Students undertaking project work/field work/internship(Data for the latest completed academic year)

Program Name	Program Code	Name of the student studied experimental learning through field work/project work/internship	No. of Students	Link to the relevant document
B. Pharm.	BP 813 PW	Abhijeet Singh Rana, Abhishek Chambiyal, Abhishek Dhiman, Abhishek Kumar, Akanksha Thakur, Akash Thakur, Akhil Sharma, Akshit Sharma, Aman Sandhu, Aman Sharma, Amit Kumar, Amita Talwar, Anchal Sharma, Aniket, Aniket Dhadwal, Aniket Kumar, Aniket Rana, Aniket Saini, Anmol Kumar, Anshul Acharya, Anshul Gautam, Arpit Bhuria, Ayush Gupta, Chandan Patyal, Deepanshu, Diksha, Dipali Rana, Ekta Sharma, Gurvinder Singh, Harsh, Himanshu, Himanshu Shridhar, Kajol, Ketan Kumar, Mohita Thakur, Kanav Sharma, Neha Sharma, Karan Singh, Kritika Sharma, Lovely Choudhary, Mahak Sharma, Manish Kumar, Mohit Dogra, Neetika, Nikhil Choudhary, Nikhil Choudhary, Nikhil Kumar, Nishaant Koundal, Nikita Parlaadh Katoch, Pawneesh Khatta, Priyanka, Priyanka, Guleria, Rishad, Ritesh, Ritish, Ritik, Chandell, Rohit, Rohit Kumar, Sahil, Sahil Choudhary, Sahil Sharma, Sanchi, Shagun Sharma, Himani Dhiman, Sharad Kapoor, Shashwat, Shiana, Shikha, Shivani Dixit, Shivika, Shruti, Shubham, Shubham Baega, Shubhangi, Sonam, Sourav, Sanyal, Shweta Choudhary, Talin Thakur, Vishakha, Vishal Kumar, Pathania, Vishal Rana, Amit Dhiman, Deeksha Rani, Priyanka Lagwal, Sanyogita, Vishal	90	
M. Pharm.	MPH MPAQA	Ajay Malhotra, Aman Kumar, Anshul Sharma, Anshul Sharma, Damini Gautam, Kajal, Keshav Dhiman, Kiran, Meenaxi, Rajesh, Gautam, Sahil Sharma, Shalini, Sweta, Aman Guleria, Ankita, Manisha, Nikhil, Rajat, Shivani Chaudhary	19	
		Abhijeet Singh Rana, Abhishek Chambiyal, Abhishek Dhiman, Abhishek Kumar, Akanksha Thakur, Akash Thakur, Akhil Sharma, Akshit Sharma, Aman Sandhu, Aman Sharma, Amit Kumar, Amita Talwar, Anchal Sharma, Aniket, Aniket Dhadwal, Aniket Kumar, Aniket Rana, Aniket Saini, Anmol Kumar, Anshul Acharya, Anshul Gautam, Arpit Bhuria, Ayush Gupta, Chandan Patyal, Deepanshu, Diksha, Dipali Rana, Ekta Sharma, Gurvinder Singh, Harsh, Himanshu, Himanshu Shridhar, Kajol, Ketan Kumar, Mohita Thakur, Kanav Sharma, Neha Sharma, Karan Singh, Kritika Sharma, Lovely Choudhary, Mahak Sharma, Manish Kumar, Mohit Dogra, Neetika, Nikhil Choudhary, Nikhil Choudhary, Nikhil Kumar, Nishaant Koundal, Nikita Parlaadh Katoch, Pawneesh Khatta, Priyanka, Priyanka, Guleria, Rishad, Ritesh, Ritish, Ritik, Chandell, Rohit, Rohit Kumar, Sahil, Sahil Choudhary, Sahil Sharma, Sanchi, Shagun Sharma, Himani Dhiman, Sharad Kapoor, Shashwat, Shiana, Shikha, Shivani Dixit, Shivika, Shruti, Shubham, Shubham Baega, Shubhangi, Sonam, Sourav, Sanyal, Shweta Choudhary, Talin Thakur, Vishakha, Vishal Kumar, Pathania, Vishal Rana, Amit Dhiman, Deeksha Rani, Priyanka Lagwal, Sanyogita, Vishal		


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B. Pharm.	<p>Mahak Sharma, Manish Kumar, Mohit Dogra, Neetika Nikhil Choudhary, Nikhil Choudhary Nikhil Kumar, Nikhil Kumar, Nishant Koundal, Nikita Parladh Katoch, Pawanesh Khatta, Priyanka, Priyanka Priyanka, Guleria, Rishad, Ritesh, Ritish, Ritik Chandel Rohit, Rohit Kumar, Sahil, Sahil Choudhary Sahil Sharma, Sanchi, Shagun Sharma, Himani Dhiman Sharad Kapoor, Shashwat, Shiama, Shikha, Shivani Dixit Shivika, Shrutika, Shubham, Shubham Bagga Shubhang, Sonam, Sourav Sanyal, Shweta Choudhary Talin Thakur, Vishakha, Vishal Kumar, Vishal Kumar, Pathania, Vishal Rana, Amit Dhiman Deeksha Rani, Priyanka Lagwal, Sanyogita, Vishal</p>	
B. Pharm.	<p>Akanksha verma, Akriti thakur, Akshat sharma, Akshit sharma, Akshita thakur, Naman katnouria, Abhay sharma, Abhinav dhadwal, Abhishek, Aditya sharma, Nikhil bariyan, Nikhil kumar, Paras dogra, Parul thakur, Pranav dhiman, Prince samyal, Priti, Priyanka devi, Priyanka rani, Vishal Chaudhary, Divyanshi, Ekansh Sharma, Gopal Kumar, Gourav, Gourav Banyal, Harshita, Himani Sharma, Jahvi Sharma, Kanak Guleria, Mehak Sharma, Minakshi, Mohit Kumar, Paryum Kaushal, Pratham Sharma, Shubhdeep Singh, Tamanna Kumari, Vishal Jamwal, Sweety Rajwal, Sahil Chopra, Yanshika, Aayush, Abhay Koundal, Abhay Sharma, Diksha, Divya, Jaideep Chawla, Kavita Pathania, Aditya Guleria, Abhishek Kumar, Darpan Sood, Anmol Koundal, Anuket, Anvi Sharma, Kanish Rana, Navneet Kaur, Tanik Dadhwal, Shalini, Prikshit Bhardwaj, Ridham</p>	60




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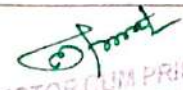
Kathog, Teh. Jawalamukhi, Distt. Kangra (H.P)

Project Record of B. Pharmacy Batch 2018-2022

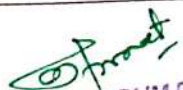
Sr. No.	Roll No.	Name	Project Name
1.	18BPD0601	Abhijeet Singh Rana	A Review on Lemon Grass
2.	18BPD0602	Abhishek Chambiyal	A Review on Anacyclus Pyrethrum
3.	18BPD0603	Abhishek Dhiman	Neutraceutical Products and its impact on our Healthcare System
4.	18BPD0604	Abhishek Kumar	A Review on Amla
5.	18BPD0605	Akanksha	Role of Mitochondrial Dysfunction and Oxidative Stress in Alzheimer Disease
6.	18BPD0607	Akash Thakur	Alzheimer's Disease: Review on Pathological Mechanism
7.	18BPD0608	Akhil Sharma	Pathological Mechanism Involved in Alzheimer's Disease
8.	18BPD0609	Akshit Sharma	Role of Mitochondrial Dysfunction and Oxidative Stress in Alzheimer Disease
9.	18BPD0610	Aman Sandhu	A Review on Traumatic Brain injury that shows link with yhe Alzheimer's Disease and its Treatment
10.	18BPD0611	Aman Sharma	A Pathological Review on Traumatic Brain Injury
11.	18BPD0613	Amit Kumar	Alzheimer's Disease : A Review on Pathological Mechanism
12.	18BPD0614	Amita Talwar	A Review on Traumatic Brain injury that shows link with yhe Alzheimer's Disease and its Treatment
13.	18BPD0615	Anchal Sharma	Diabetes Mellitus and its treatment
14.	18BPD0616	Aniket	Diabetes Mellitus and its treatment
15.	18BPD0617	Aniket Dhadwal	A Review on Hypertension and its management
16.	18BPD0618	Aniket Kumar	A Review on Hypertension and its management
17.	18BPD0619	Aniket Rana	Ischaemia Reperfusion Induced Acute Kidney Injury
18.	18BPD0620	Aniket Saini	Review on Plants of Citrus Species Having Antidiabetic Activity
19.	18BPD0621	Anmol Kumar	Ischaemia Reperfusion Induced Acute Kidney Injury
20.	18BPD0622	Anshul Acharya	Clinical Review of antidiabetic drugs: Implications for Type II Diabetes
21.	18BPD0623	Anshul Gautam	A Project Report on Breast Cancer


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2.	18BPD0624	Arpit Bhuria	A Literature Review on Coronavirus : An Overview on their Replication and Pathogenesis
23.	18BPD0625	Ayush Gupta	A Literature Review on Diabetes Mellitus
24.	18BPD0626	Chandan Patyal	A Literature Review on Curcuma Longa" A Potential Medicinal Plant"
25.	18BPD0627	Deepanshu	A Report on Diabetes Mellitus
26.	18BPD0628	Diksha	Synthesis of antimalarial Drugs via different synthetic Routes
27.	18BPD0629	Dipali Rana	General Mechanism and Synthesis of Coumarin Derivatives used in Breast Cancer
28.	18BPD0630	Ekta Sharma	A Review on Diabetes Mellitus
29.	18BPD0631	Gurvinder Singh	Pharmacognostic and Pharmacological Aspect of Tridax Procumbens(L.) : A Review
30.	18BPD0632	Harsh	Review on Tridax Procumbens
31.	18BPD0633	Himanshu	Pharmacological Activities of Pongamia Pinnata: A Review
32.	18BPD0634	Himanshu Shridhar	A Review on Pharmacological Activities of Pongamia Pinnata
33.	18BPD0635	Kajol	A Review on Kashmiri Garlic
34.	18BPD0636	Kanav Sharma	A Review on Breast Cancer
35.	18BPD0637	Karan Singh	A Review on Breast Cancer
36.	18BPD0638	Ketan Kumar	A Review on Breast Cancer
37.	18BPD0639	Kritika Sharma	Market Ayurvedic Property Medicines Used to Manage The Urolithiasis
38.	18BPD0641	Lovely Choudhary	Market Ayurvedic Property Medicines Used to Manage The Urolithiasis
39.	18BPD0642	Mahak Sharma	Market Ayurvedic Property Medicines Used to Manage The Urolithiasis
40.	18BPD0643	Manish Kumar	Market Ayurvedic Property Medicines Used to Manage The Urolithiasis
41.	18BPD0644	Mohit Dogra	Simultaneous Estimation Of Diclofenac and Paracetamol on UV Spectroscopy
42.	18BPD0645	Mohit Kaul	Simultaneous Estimation Of Diclofenac and PCM on UV Spectroscopy
43.	18BPD0647	Nav Jyoti	Simultaneous Estimation Of Diclofenac and PCM on UV Spectroscopy
44.	18BPD0648	Neetika	Simultaneous Estimation Of Diclofenac and PCM on UV Spectroscopy
45.	18BPD0649	Nikhil Choudhary	A Review on Parkinson's Disease
46.	18BPD0650	Nikhil Choudhary	A Review on Parkinson's Disease


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47.	18BPD0651	Nikhil Kumar	A Project on Androgenetic Alopecia
48.	18BPD0652	Nikhil Kumar	A Project on Androgenetic Alopecia
49.	18BPD0653	Nishant Koundal	A Review on Potential Application on Antioxidants
50.	18BPD0654	Nikita	A Review on Potential Application on Antioxidants
51.	18BPD0655	Parladh Katoch	A Review on Tablet
52.	18BPD0657	Pawnesh Khatta	A Review on Tablet
53.	18BPD0658	Prinkal Bhardwaj	A Review on Pharmaceutical Drugs: Ethosomes
54.	18BPD0659	Priyanka	A Review on Pharmaceutical Drugs: Ethosomes
55.	18BPD0660	Priyanka	Formulation and Evaluation Of Paracetamol Tablet
56.	18BPD0661	Priyanka Guleria	Formulation and Evaluation Of Paracetamol Tablet
57.	18BPD0662	Rishad	A Review on Silver Nanoparticles: General Methods of Preperation and Characterization Techniques
58.	18BPD0663	Ritesh	A Review on Silver Nanoparticles: General Methods of Preperation and Characterization Techniques
59.	18BPD0664	Ritish	A Review on Silver Nanoparticles: General Methods of Preperation and Characterization Techniques
60.	18BPD0666	Ritik Chandel	A Review on Silver Nanoparticles: General Methods of Preperation and Characterization Techniques
61.	18BPD0668	Rohit	A Review on Effervescent Tablet
62.	18BPD0669	Rohit Kumar	A Review on Effervescent Tablet
63.	18BPD0671	Sahil	A Review on Quality Control Tests for Pharmaceutical Formulations
64.	18BPD0672	Sahil Choudhary	A Review on Quality Control Tests for Pharmaceutical Formulations
65.	18BPD0673	Sahil Sharma	Comparative Standardization of Marketed Formulation of Fermented Biomedicine- Kutajristha
66.	18BPD0675	Sanchi	Physiochemical Studies of Oils
67.	18BPD0676	Shagun Sharma	Formulation and Evaluation Of Herbal Lipstick
68.	18BPD0677	Sahil Kumar Lagwal	A Review on Nanosuspensions
69.	18BPD0678	Sharad Kapoor	A Review on Herbal Drugs For Rheumatoid Arthritis
70.	18BPD0679	Shashwat	A Review on COVID-19 and its variants
71.	18BPD0680	Shiana	A Review on COVID-19 and its variants
72.	18BPD081	Shikha	A Review on Herbal Drugs For Rheumatoid Arthritis

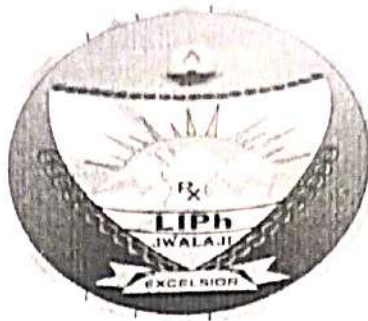

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3.	18BPD0682	Shivani Dixit	A Review on Transaminitis and its Case Study
74.	18BPD0684	Shivika	A Review on Inflammatory Bowel Disease A Project Report
75.	18BPD0685	Shrutika	A Review on Duodenitis and its Case Study
76.	18BPD0686	Shubham	A Review on Crohns disease and its Case Study
77.	18BPD0687	Shubham Bagga	Emerging Therapy of Diabetes Mellitus: Overview
78.	18BPD0689	Shubhangi	Impact of COVID 19 on Human Health with Medicinal Complication in Current Scenario Overview
79.	18BPD0690	Sonam	Impact of COVID 19 on Human Health with Medicinal Complication in Current Scenario Overview
80.	18BPD0691	Sourav Sanyal	Emerging Therapy of Diabetes Mellitus: Overview
81.	18BPD0693	Shweta Choudhary	Research on Development on Memory Enhancing Supplement Powder
82.	18BPD0694	Talin Thakur	Research on Development on Memory Enhancing Supplement Powder
83.	18BPD0696	Vishakha Goswami	Research on Development on Memory Enhancing Supplement Powder
84.	18BPD0698	Vishal Kumar	Research on Development on Memory Enhancing Supplement Powder
85.	18BPD0699	Vishal Kumar Pathania	A Review on Formulation and Evaluation of the Herbal Hand Wash
86.	18BPD0700	Vishal Rana	A Review on Formulation and Evaluation of the Herbal Hand Wash
87.	18BPD0426	Grisham	Tandem Mass Spectroscopy as Analytical Tool for Sequencing of Protein and Peptides
88.	1931142001	Amit Dhiman	Tandem Mass Spectroscopy as Analytical Tool for Sequencing of Protein and Peptides
89.	1931142002	Deeksha Rani	Overview of Electrophoresis and Mass Spectrometry Hyphenation
90.	1931142004	Priyanka Lagwal	Medicinal Value of Cordyceps Sinesis, Yarsagumba
91.	1931142005	Sanyogita	Pharmacognostic Study of Tulsi, A Medicinal Plant Abduently found in Kangra Region
92.	1931142006	Vishal	Pharmacognostic Study of Tulsi, A Medicinal Plant Abduently found in Kangra Region

Principal


 DIRECTOR CLINICAL PRINCIPAL
 LAUREATE INSTITUTE OF
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 TEH. JAWALAGUKH
 DIST. KANGRA (H.P.)


CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "A REVIEW ON LEMON GRASS" for the Degree of Bachelor of pharmacy has been carried out by **ABHIJEET SINGH RANA (18BPD0601)** himself under the supervision of **Ms. ANCHAL GULERIA**, Assistant Professor of Pharmaceutics in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date: 14/07/2022

Place: Kathog


Prof. (Dr.) M. S. Ashawat
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
Laureate Institute of Pharmacy,
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 177101.

A REVIEW ON LEMON GRASS

A Dissertation Submitted to
Himachal Pradesh Technical University,
Hamirpur



In the partial fulfilment for award of the Degree of

BACHELOR OF PHARMACY

2022

Submitted by

MR. ABHIJEET SINGH RANA

ROLL NO. 18BPD0601

UNDER THE GUIDENCE OF

MISS. ANCHAL GULERIA



LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101

Review on Anacyclus Pyrethrum
A Dissertation Submitted to
Himachal Pradesh Technical University,
Hamirpur



In the partial fulfilment for award of the Degree of
BACHELOR OF PHARMACY

2022

Submitted by

Mr. Abhishek CHAMBIYAL

ROLL NO. 18BPD0602

UNDER THE GUIDENCE OF

Miss. Anchal Guleria

asst. professor of pharmaceutics



LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101


CERTIFICATE BY HEAD OF INSTITUTE



It is to certify that the project entitled "A Review on Anacyclus Pyrethrum" is a Bonafide and genuine work carried out by Mr. Abhishek Chambiyl under the guidance of ANCHAL GULERIA, Associate Professor Department Of Pharmacology. The Work is original and has not been submitted for any degree/diploma of this or any university.

Date: 15/07/2022

Place: Kathog


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
Prof. (Dr.) M. S. Ashwani
DISTT. KANGRA (H.P.)
Director cum Principal

Laureate Institute of Pharmacy,
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 177101.

Nutraceuticals Products and its impact on our Healthcare System

A Dissertation Submitted to

Himachal Pradesh Technical University,

Hamirpur



In the partial fulfilment
for award of the Degree of
BACHELOR OF PHARMACY

2022

Submitted by

Mr. Abhishek Dhiman

ROLL NO. 18BPD0603

UNDER THE GUIDENCE OF

Miss Anchal Guleria



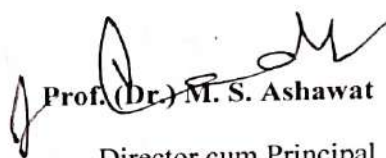
LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. KANGRA (HP)-177101

CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "**Nutraceutical product and its impact on our healthcare system**" for the Degree of Bachelor of pharmacy has been carried out by **Abhishek Dhiman (18BPD0603)** himself under the supervision of **Miss. Anchal Guleria** Assistant Professor of Pharmaceutics in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date:


Prof. (Dr.) M. S. Ashawat

Director cum Principal

Place:

Laureate institute of Pharmacy,

Kathog Jawalamukhi, Distt. Kangra, HP- 176031.

REVIEW ON AMLA
A DISSERTATION SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,
HAMIRPUR



IN THE PARTIAL FULFILMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY

2022

SUBMITTED BY

MR. ABHISHEK KUMAR

ROLL NO. 18BPD0604

UNDER THE GUIDENCE OF

MISS. ANCHAL GULERIA

ASST. PROFESSOR OF PHARMACEUTICS



LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101

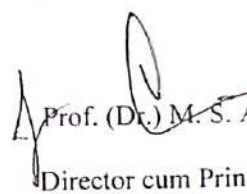
CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "REVIEW ON AMLA" for the Degree of Bachelor of pharmacy has been carried out by **ABHISHEK KUMAR (18BPD0604)** himself under the supervision of **MS. ANCHAL GULERIA**, Assistant Professor of Pharmaceutics in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date: 13/07/22

Place:


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH JAWALAMUKHI
DISTT. KANGRA (H P)

Laureate Institute of Pharmacy,
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 177101.

**ROLE OF MITOCHONDRIAL DYSFUNCTION AND OXIDATIVE
STRESS IN ALZHEIMER DISEASE**

A Dissertation Submitted to
Himachal Pradesh Technical University,
Hamirpur



In the partial fulfilment for award of the Degree of

BACHELOR OF PHARMACY

2022

Submitted by

Miss AKANKSHA THAKUR

ROLL NO. 18BPD0605

UNDER THE GUIDENCE OF

Mrs. VANDANA BHATIA



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101**

**ROLE OF MITOCHONDRIAL DYSFUNCTION AND OXIDATIVE
STRESS IN ALZHEIMER DISEASE**

A Dissertation Submitted to
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In the partial fulfilment for award of the Degree of

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**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101**

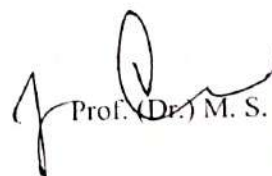
CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "ROLE OF MYTOCHONDRIAL DYSFUNCTION AND OXIDATIVE STRESS IN ALZHEIMER DISEASE" for the Degree of Bachelor of pharmacy has been carried out by **AKANKSHA THAKUR(18BPD0605)** herself under the supervision of **Mrs. VANDANA BHATIA**, Assistant Professor of Pharmacology in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date: 13/07/2022

Place:


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)

Director cum Principal

Laureate Institute of Pharmacy,

Kathog, Teh. Jawalamukhi,

Distt. Kangra, HP- 177101.

ALZHEIMER'S DISEASE: REVIEW ON PATHOLOGICAL MECHANISM

A DISSERTATION SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,
HAMIRPUR



IN THE PARTIAL FULFILMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY

2022

SUBMITTED BY
Mr. AKASH THAKUR
ROLL NO. 18BPD0607
UNDER THE GUIDENCE OF

Mrs. VANDANA BHATIA
Assistant Professor of Pharmacology



LAUREATE INSTITUTE OF PHARMACY
KATHOG, TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101


CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "REVIEW ON ALZHEIMER DISEASE" for the Degree of Bachelor of pharmacy has been carried out by **AKASH THAKUR (18BPD0607)** himself under the supervision of **Mrs. VANDANA BHATIA** Assistant Professor of Pharmacology in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date: 07/07/2022

Place: Kathog


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)
Director cum Principal

Laureate Institute of Pharmacy,
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 177101.

PATHOLOGICAL MECHANISM INVOLVED IN ALZHEIMER'S DISEASE

A Dissertation Submitted to
Himachal Pradesh Technical University,

Hamirpur



In the partial fulfilment for award of the Degree of

BACHELOR OF PHARMACY

2022

Submitted by

Mr. AKHIL SHARMA

ROLL NO. 18BPD0608

UNDER THE GUIDANCE OF

Mrs. VANDANA BHATIA



**LAUREATE INSTITUTE OF PHARMACY, KATHOG, TEHSIL -
JAWALAMUKHI, DISTT. - KANGRA (HP)-177101**

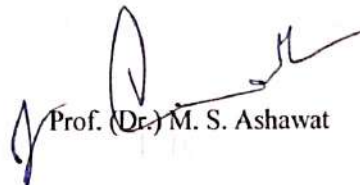
CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "PATHOLOGICAL MECHANISM INVOLVED IN ALZHEIMER'S DISEASE" for the Degree of Bachelor of pharmacy has been carried out by Mr. AKHIL SHARMA (18BPD0608) herself under the supervision of Mrs. VANDANA BHATIA, Assistant Professor of Pharmacology in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date: 15/07/2022

Place: Kathog


Prof. (Dr.) M. S. Ashawat

Director cum Principal

Laureate Institute of Pharmacy,

Kathog, Teh. Jawalamukhi,

Distt. Kangra, HP- 177101.

ROLE OF MITOCHONDRIAL DYSFUNCTION AND OXIDATIVE STRESS IN ALZHEIMER DISEASE

A Dissertation Submitted to
Himachal Pradesh Technical University,
Hamirpur



In the partial fulfilment for award of the Degree of
BACHELOR OF PHARMACY

2022

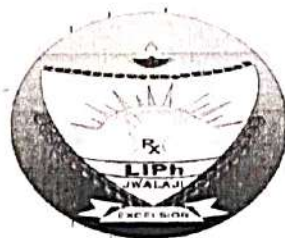
Submitted by

AKSHIT SHARMA

ROLL NO. 18BPD0609

UNDER THE GUIDANCE OF

Mrs. VANDANA BHATIA




**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101**

CERTIFICATE BY PRINCIPAL

This is to certify that the work presented in the project entitled "ROLE OF MYTOCHONDRIAL DYSFUNCTION AND OXIDATIVE STRESS IN ALZHEIMER DISEASE" for the Degree of Bachelor of pharmacy has been carried out by AKSHIT SHARMA(18BPD0609) himself under the supervision of Mrs. VANDANA BHATIA, Assistant Professor of Pharmacology in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date:


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
JAWALAMUKHI
DISTT KANGRA (H.P)

Director cum Principal

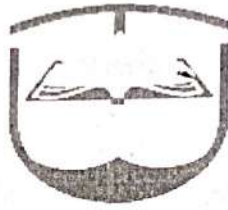
Place:

Laureate Institute of Pharmacy,

Kathog, Teh. Jawalamukhi,

Distt. Kangra, HP- 177101.

A DISSERTATION SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,
HAMIRPUR



IN THE PARTIAL FULFILLMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY

SUBMITTED BY

Miss AMAN SANDHU

ROLL NO. 18BPD0610

UNDER THE GUIDANCE

OF

Miss Arti Rama



LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT - KANGRA (HP)-177101

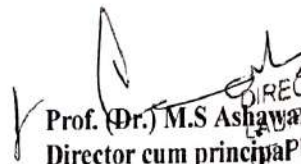
CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the thesis entitled "A Review on Traumatic Brain Injury that shows linked with the Alzheimer Disease & its Treatment" for the Degree of Bachelor of Pharmacy has been carried out by Aman Sandhu (18BPD0610) herself under the supervision of Miss Arti Rana, Assistant professor of Pharmacology in Laureate Institute of Pharmacy.

Date: 13/7/22

Place:


Prof. (Dr.) M.S. Ashwari
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
JAWALAMUKHI
DIST. KANGRA (H.P.)
Kathog, Teh. Jawalamukhi, Distt. Kangra,
HP-177101



A PATHOLOGICAL REVIEW ON TRAUMATIC BRAIN INJURY

**A DISSERTATION SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,
HAMIRPUR**



**IN THE PARTIAL FULFILMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY**

2022

Submitted by

Mr. AMAN SHARMA

ROLL NO. 18BPD0611

UNDER THE GUIDANCE OF

**MISS ARTI RANA
ASSISTANT PROFESSOR
DEPARTMENT OF PHARMACOLOGY**



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT: -KANGRA (HP)-176031**

CERTIFICATE BY PRINCIPAL

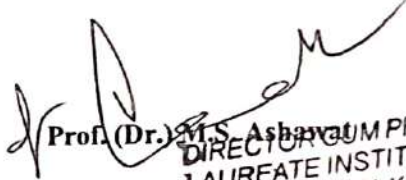


It is to certify that the work contained in this dissertation entitled "A Pathological Review On Traumatic Brain Injury" submitted to partial fulfillment of the requirement for the Degree of Bachelor of Pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the work carried out by Aman Sharma (18BPD0611) himself under the supervision of Miss. Arti Rana.

The work is original and has not been submitted for any degree/diploma in this or any other university.

Date: 11/07/2022

Place Kathog


Prof. (Dr.) M.S. Ashwari
DIRECTOR cum PRINCIPAL
LAUREATE INSTITUTE
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THE JAWALAMUKHI
DISTT. KANGRA (H.P.)
Director cum Principal
Laureate Institute of Pharmacy,
Kathog, The. Jawalamukhi,
Distt. Kangra, HP- 176301

ALZHEIMER'S DISEASE: REVIEW ON PATHOLOGICAL MECHANISM

A DISSERTATION SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,
HAMIRPUR



IN THE PARTIAL FULFILLMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY

2022

SUBMITTED BY

Mr. Amit Kumar

ROLL NO. 18BPD0613

UNDER THE GUIDENCE OF

Miss Arti Rana



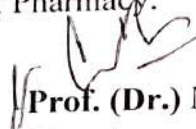
LAUREATE INSTITUTE OF PHARMACY, KATHOG,

TEHSIL - JAWALAMUKHI, DISTT - KANGRA (HP)-177101

CERTIFICATE BY PRINCIPAL.

This is to certify that the work presented in the thesis entitled "Review on Alzheimer's disease" for the Degree of Bachelor of pharmacy has been carried out by **Amit Kumar (18BPD0613)** himself under the supervision of **Ms. Arti Rana**, Lecturer of Pharmacology in Laureate Institute of Pharmacy.

Date: 15-07-2022


Prof. (Dr.) M. S. Kshawat
Director cum Principal
Laureate Institute of Pharmacy,
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 177101

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
KANGRA (H.P.)

Place: R.I.P.H. Kathog.



A DISSERTATION SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,
HAMIRPUR



IN THE PARTIAL FULFILLMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY

SUBMITTED BY

MISS ANITA TALWAR

ROLL NO. 18BPD0614

UNDER THE GUIDENCE

OF

Miss Anji Rana



LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT - KANGRA (HP)-177101


CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the thesis entitled "A Review on Traumatic Brain Injury that shows linked with the Alzheimer Disease & its Treatment" for the Degree of Bachelor of Pharmacy has been carried out by Amita Talwar (18BPD0614) herself under the supervision of Miss Arti Rana, Assistant professor of Pharmacology in Laureate Institute of Pharmacy.

Date: 11/07/22

Place:


Prof. (Dr.) M.S. Ashawat
Director cum principal
Laureate Institute of pharmacy
Kathog, Teh. Jawalamukhi, Distt. Kangra,
HP-177101
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY KATHOG
JAWALAMUKHI
DISTT. KANGRA (H.P.)

DIABETES MELLITUS & ITS MANAGEMENT
A Dissertation Submitted to
Himachal Pradesh Technical University,
Hamirpur



In the partial fulfilment for award of the Degree of
BACHELOR OF PHARMACY
2022

Submitted by

MISS ANCHAL SHARMA

ROLL NO. 18BPD0615

UNDER THE GUIDANCE OF

MISS. PRATIBHA CHAUDHARY



LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101

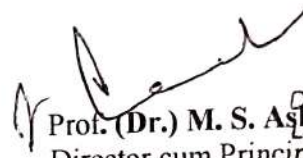
CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "**Diabetes mellitus & its management**" for the Degree of Bachelor of Pharmacy has been carried out by **Anchal Sharma** (18BPD0615) himself under the supervision of **Miss Pratibha Chaudhary**, Assistant Professor of Pharmaceutics in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date: 14th July 2022

Place: Kathog


Prof. (Dr.) M. S. Ashayee
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DIST. KANGRA (H.P.)
Dist. Kangra, HP- 177101.

DIABETES MELLITUS & ITS MANAGEMENT

A Dissertation Submitted to
Himachal Pradesh Technical University,
Hamirpur



In the partial fulfilment for award of the Degree of

BACHELOR OF PHARMACY
2022

Submitted by

MR. ANIKET

ROLL NO. 18BPD0616

UNDER THE GUIDENCE OF

MISS. PRATIBHA CHAUDHARY



LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101


CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "**Diabetes mellitus & its management**" for the Degree of Bachelor of Pharmacy has been carried out by **Aniket (18BPD0616)** himself under the supervision of **Miss Pratibha Chaudhary**, Assistant Professor of Pharmaceutics in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date: 14th July 2022

Place: Kathog


Prof. (Dr.) M. S. Ashwari
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
JAWALAMUKHI
DIST. KANGRA (H.P.)
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 177101.

A REVIEW
ON
HYPERTENSION AND ITS MANAGEMENT

A Project Submitted to
Himachal Pradesh Technical University, Hamirpur



In the partial fulfillment of the requirement for the degree of

BACHELOR OF PHARMACY

By

ANIKET DHADWAL

Roll no.18BPD0617

Under the guidance of

MS. PRATIBHA CHAUDHARY

Asst. Professor of Pharmaceutics



LAUREATE INSTITUTE OF PHARMACY KATHOG,
TEHSIL- JAWALAMUKHIDISTT-KANGRA, (HP) PIN - 177101



Laureate Institute of Pharmacy

Recognized under section 2(F) of the U.G.C. Act 1956

CERTIFICATE BY PRINCIPAL

This is to certify that the work contained in the Project entitled "HYPERTENSION AND ITS MANAGEMENT" submitted to partial fulfillment of the requirement for the degree of bachelor of pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the research work carried out by MR. ANIKET DHADWAL (Roll no.18BPD0617) himself under the supervision and guidance of MS. PRATIBHA CHAUDHARY in the department of Pharmaceutics, Laureate Institute of Pharmacy, Kathog Jawalamukhi (H.P). The work has not been submitted in part or full for the award of any other degree in any other university in my knowledge.

Date: 15/07/22

Place: Kathog

Principal

Laureate Institute of Pharmacy Kathog Jawalamukhi

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)

A REVIEW
ON
HYPERTENSION AND ITS MANAGEMENT

A Project Submitted to
Himachal Pradesh Technical University, Hamirpur



In the partial fulfillment of the requirement for the degree of

BACHELOR OF PHARMACY

By

ANIKET KUMAR

Roll no.18BPD0618

Under the guidance of

MS. PRATIBHA CHAUDHARY

Asst. Professor of Pharmaceutics



LAUREATE INSTITUTE OF PHARMACY KATHOG,
TEHSIL- JAWALAMUKHIDISTT-KANGRA, (HP) PIN – 177101



Laureate Institute of Pharmacy

Recognized under section 2(f) of the UGC Act 1956
Approved by H.P. Govt. AICTE PCI & Affiliated to JIP Technical University

CERTIFICATE BY PRINCIPAL

This is to certify that the work contained in the Project entitled "HYPERTENSION AND ITS MANAGEMENT" submitted to partial fulfillment of the requirement for the degree of bachelor of pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the research work carried out by MR. ANIKET KUMAR (Roll no. 18BPD0618) himself under the supervision and guidance of MS. PRATIBHA CHAUDHARY in the department of Pharmaceutics, Laureate Institute of Pharmacy, Kathog Jawalamukhi (H.P). The work has not been submitted in part or full for the award of any other degree in any other university in my knowledge.

Date: 15/07/22

Place: Kathog


Dr. M.S. Ashawat

Principal

Laureate Institute of Pharmacy Kathog Jawalamukhi

**ISCHEMIA REPERFUSION-
INDUCED ACUTE KIDNEY INJURY**

B.PHARMA

**.SUBMITTED TO
LAUREATE INSTITUTE OF PHARMACY, KATHOG (JAWALAJI)
HIMACHAL PRADESH**

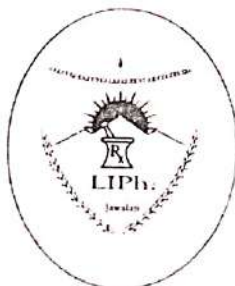
SUBMITTED BY

Mr. Aniket Rana

ROLL NO: 18BPD0619

UNDER THE GUIDENCE OF

Mrs Shavinder Kumari



PROJECT WORK

**TO BE SUBMITTED FOR THE PARTIAL FULFILLMENT
FOR THE DEGREE OF PHARMACY OF LAUREATE INSTITUTE OF
PHARMACY, KATHOG (JAWALAJI)**

Certificate

This is to certify that the work presented in the thesis entitled."for the Degree of Bachelor of pharmacy has been "***ISCHEMIA REPERFUSION – INDUCED ACUTE KIDNEY INJURY.***"carried Out by **Mr. Aniket Rana** in the laboratories of Laureate Institute Of Pharmacy, under the guidance of **Mrs. Shavinder Kumari** Lecturer of Pharmacology in Laureate Institute Of Pharmacy.

Date: 15/07/2022

Place:


(Dr. M.S. ASHAWAT

Director cum Principal,
Laureate Institute of Pharmacy
Kathog (Jawalaji) 176031.

REVIEW ON PLANTS OF CITRUS SPECIES HAVING ANTIDIABETIC ACTIVITY

**A DISSERTATION SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,
HAMIRPUR**



**IN THE PARTIAL FULFILMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY**

2022

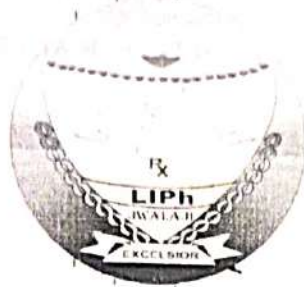
**SUBMITTED BY
MR. ANIKET SAINI
ROLL NO. 18BPD0620**

**UNDER THE GUIDENCE OF
MRS. SHAVINDER KUMARI
ASSISTANT PROFESSOR OF PHARMACOLOGY**



**LAUREATE INSTITUTE OF PHARMACY
KATHOG, TEHSIL - JAWALAMUKHI, DISTT. KANGRA (HP)-177101**

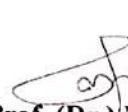
CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled “Review on Plants of Citrus Species Having Antidiabetic Activity” for the Degree of Bachelor of pharmacy has been carried out by Aniket Saini (18BPD020) himself under the supervision of Mrs. Shavinder Kumari, Assistant Professor of Pharmacology in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date: 07/07/2022

Place: Kathog


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
JAWALAMUKHI
DISTT. KANGRA (H.P.)

Director cum Principal

Laureate Institute of Pharmacy,
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 177101.

A REVIEW: ISCHEMIC REPERFUSION- INDUCED ACUTE KIDNEY INJURY

A Project Submitted to

Himachal Pradesh Technical University, Hamirpur



In the partial fulfillment of the requirement for the degree of

BACHELOR OF PHARMACY

By

Anmol kumar

Roll no.18BPD0621

Under the guidance of

Mrs Shavinder Kumari

Asst. Professor of Pharmacology



LAUREATE INSTITUTE OF PHARMACY KATHOG,

TEHSIL- JAWALAMUKHIDISTT-KANGRA, (HP) PIN – 177101



Laureate Institute of Pharmacy

Recognized under section 2(f) of the UGC Act 1956
Approved by H.P. Govt. AICTE, PCI & Affiliated to HP Technical University

CERTIFICATE BY PRINCIPAL

This is to certify that the work contained in the Project entitled **ISCHEMIC REPERFUSION-INDUCED ACUTE KIDNEY INJURY** submitted to partial fulfillment of the requirement for the degree of bachelor of pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the research work carried out by **Anmol kumar (Roll no.18BPD0621)** himself under the supervision and guidance of **Mrs. Shavinder Kumari** in the department of Pharmacology, Laureate Institute of Pharmacy, Kathog Jawalamukhi (H.P). The work has not been submitted in part or full for the award of any other degree in any other university in my knowledge.

Date: 14/8/22

Place: Kathog


Dr. M.S. Ashawat

Principal

Laureate Institute of Pharmacy

Kathog Jawalamukhi

*Clinical Review of antidiabetic drugs:
Implications for Type-II
Diabetes Mellitus Management*

A Project Submitted to
Himachal Pradesh Technical University, Hamirpur



In the partial fulfilment of the requirement for the degree of

BACHELOR OF PHARMACY

By

Anshul Acharya

Roll no. 18BPD0622

Under the guidance of

Mrs. Shavinder Kumari

Asst. Professor of Pharmacology



*Laureate Institute of Pharmacy Kathog, Tehsil- Dehra
Distt- Kangra, (H.P) Pin code – 177101*

CERTIFICATE BY HEAD OF INSTITUTION



It is to certify that the project entitled “**Clinical Review of antidiabetic drugs: Implications for Type-II Diabetes Mellitus Management**” is a bonafide and genuine work carried out by **Mr. Anshul Acharya** Roll No. 18BPD0622 under the guidance of **Mrs. Shavinder Kumari** Assistant Professor, Department of Pharmacology.

The work is original and has not been submitted for any degree/ diploma of this or any university.

Date: 15/7/22
Place: Kathog

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)

Signature of Principal
Dr. M.S Ashawat

Principal
Laureate Institute of Pharmacy
Kathog, Tehsil- Dehra
Distt- Kangra, (H.P.)

BREAST CANCER

A Dissertation Submitted to
Himachal Pradesh Technical University, Hamirpur



In the partial fulfilment for award of the Degree of
BACHELOR OF PHARMACY
2022

Submitted by

ANSHUL GAUTAM

18BPD0623

Under the Guidance of

Mr. NIKHIL SHARMA

Asst. Prof. of Pharmaceutical Chemistry



LAUREATE INSTITUTE OF PHARMACY

KATHOG, TEHSIL- JAWALAMUKHI, DISTT.- KANGRA (HP)-176031

CERTIFICATE BY PRINCIPAL



It is to certify that the work contained in this dissertation entitled "**BREAST CANCER**" submitted to partial fulfillment of the requirement for the Degree of Bachelor of Pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the work carried out by **ANSHUL GAUTAM (18BPD0623)** himself under the supervision of **MR NIKHIL SHARMA, Asst. Professor Pharmaceutical Chemistry**. The work is original and has not been submitted for any degree/diploma in this or any other university.

Prof. (Dr.) M.S. Ashawat

Director cum Principal

Laureate Institute of Pharmacy

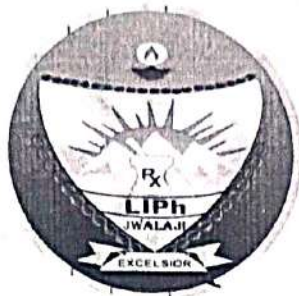
Kathog, Teh. Jwalamukhi, Distt.Kangra

HP-176031

Date 14/07/2022
Place Kangra




CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled “A LITERATURE REVIEW ON Coronaviruses: An Overview of Their Replication and Pathogenesis” for the Degree of Bachelor of pharmacy has been carried out by Arpit Bhuria (18BPD0624) himself under the supervision of Mr. NIKHIL SHARMA, Assistant Professor of Pharmaceutical chemistry in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date: 15/07/2022

Place: Kathoge


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)
Prof. (Dr.) M. S. Asthava
Director cum Principal

Laureate Institute of Pharmacy,
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 177101.

**A LITERATURE REVIEW ON An overview of their replication and
pathogenesis**

A Dissertation Submitted to
Himachal Pradesh Technical University
Hamirpur



In the partial fulfilment for award of the Degree of
BACHELOR OF PHARMACY
2022

Submitted by

Mr. Arpit Bhuria

ROLL NO. 18BPD0624

UNDER THE GUIDENCE OF

Mr. NIKHIL SHARMA



LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101

A LITERATURE REVIEW ON DIABETES MELLITUS

A DISSERTATION SUBMITTED TO

UTTARACHAL PRADESH TECHNICAL UNIVERSITY,

HAMIRPUR



**IN THE PARTIAL FULFILMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY**

2022

SUBMITTED BY

MR. AAYUSH GUPTA

ROLL NO. 18BPD0625

UNDER THE GUIDENCE OF

MR. NIKHIL SHARMA

ASSISTANT PROFESSOR

DEPT. OF PHARMACEUTICAL CHEMISTRY



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101**

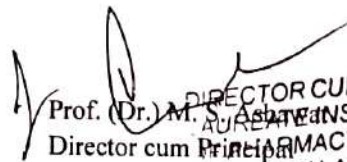
CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled “**A LITERATURE REVIEW ON DIABETES MELLITUS**” for the Degree of Bachelor of pharmacy has been carried out by **AA YUSH GUPTA (18BPD0625)** himself under the supervision of **Mr. NIKHIL SHARMA**, Assistant Professor of Pharmaceutical chemistry in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date: 11/07/2022

Place: Kathog.


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
JAWALAMUKHI
DIST. KANGRA (H.P.)
Laureate Institute of Pharmacy,
Kathog, Teh. Jawalamukhi,
Dist. Kangra, HP- 177101.

**A LITERATURE REVIEW ON
CURCUMA LONGA "A POTENTIAL MEDICENAL PLANT**

**A DISSERTATION SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,**

HAMIRPUR



**IN THE PARTIAL FULFILMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY
2022**

SUBMITTED BY

CHANDAN PATYAL

ROLL NO. 18BPD0626

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MR. NIKHIL SHARMA

ASSISTANT PROFESSOR OF PHARMACEUTICAL CHEMISTRY



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101**

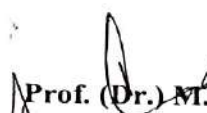
CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "A Literature Review on **Curcuma Longa A Potential Medicinal Plant**" for the Degree of Bachelor of pharmacy has been carried out by Chandan Patyal (18BPD0626) himself under the supervision of, Assistant Professor of **Mr. Nikhil Sharma** Pharmaceutical Chemistry in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date : 14 July 2022

Place : Kathog


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DIST. KANGRA (H.P.)

Prof. (Dr.) M. S. Asthana
Director cum Principal
Laureate Institute of Pharmacy,
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 176031.

A Report
on
Diabetes Mellitus

Submitted to Himachal Pradesh Technical University, Hamirpur



In the partial fulfilment of the requirement for the degree of
BACHELOR OF PHARMACY

By

DEEPANSHU

Roll no. 18BPD0627

Class - 4th Year

8th Sem.

Under the guidance of

Miss. ASTHA SHARMA

Asst. Professor of Analysis



Laureate Institute of Pharmacy

DCIC

LAUREATE INSTITUTE OF PHARMACY KATHOG

Tehsil- Jawalamukhi Distt- Kangra, (H.P) Pin code -176031

ENDORSEMENT BY THE PRINCIPLE
HEAD OF INSTITUTE



This is to certify that the work presented in the thesis entitled "DIABETES MELLITUS" for the Degree of Bachelor of pharmacy has been carried out by Mr. Deepanshu, Roll No. 18BPD0627 in the laboratories of Laureate Institute Of Pharmacy , under the guidance of Miss. Astha Sharma Lecturer of Analysis in Laureate Institute Of Pharmacy.

Dr. M.S. ASHAWAT

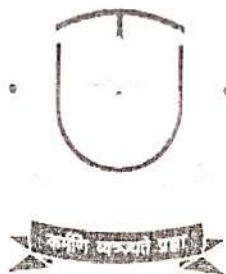
*Director cum Principal,
Laureate Institute of Pharmacy
Kathog (Jawalaji) 176031*

Date: 14/2/22

Place: Kathog

A Dissertation Submitted To Himachal Pradesh University, Shimla For The Fulfillment
The Degree Of

BACHELOR OF PHARMACY



Miss. Diksha
Roll no-18BPD0628

SUBMITTED TO
Miss. Astha sharma
Assistant professor
Department of Pharmaceutical Analysis



Tehsil Jawalamukhi, District Kangra (HP) – 176031

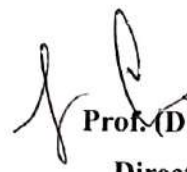
CERIFICATE BY PRINCIPAL



It is to certify that the dissertation entitled “SYNTHESIS OF ANTIMALARIAL DRUGS VIA DIFFERENT SYNTHETIC ROUTES” is a bonafide project work carried out by Miss. Diksha(18BPD0628) under the guidance of Miss. Astha sharma in the B. Pharmacy, For The Award Of Bachelor Of Pharmacy From Iaureate Institute of Pharmacy, Kathog.

DATE: 13/07/2022

PLACE : KATHOG


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
Prof. (Dr.) M. Sarawat
TEH. JAWALAMUKHI
Director cum Principal (H.P.)

Laureate Institute of Pharmacy,
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 176031.

*General mechanism and synthesis of Coumarin
Derivatives used in
Breast Cancer*

A Project Submitted to
Himachal Pradesh Technical University, Hamirpur



In the partial fulfilment of the requirement for the degree of
BACHELOR OF PHARMACY

By

Dipali Rana

Roll no. 18BPD0629

Under the guidance of

Miss Astha Sharma

Asst. Professor of Pharmaceutical chemistry



*Laureate Institute of Pharmacy Kathog, Tehsil- Dehra
Distt- Kangra, (H.P) Pin code – 177101*


CERTIFICATE BY HEAD OF INSTITUTION



It is to certify that the project entitled "**General mechanism and synthesis of Coumarin Derivatives used in Breast Cancer**" is a bonafide and genuine work carried out by **Miss. Dipali Rana** Roll No. **18BPD0629** under the guidance of **Miss Astha Sharma** Assistant Professor, Department of Pharmaceutical Chemistry.

The work is original and has not been submitted for any degree/ diploma of this or any university.

Date: 07/07/2022
Place: Kathog


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEHSIL JAWALAMUKHI
DISTT KANGRA (H.P.)
Signature of Principal
Dr. M.S Ashawat
Principal
Laureate Institute of
Pharmacy
Kathog, Tehsil- Dehra
Distt- Kangra, (H.P.)

**A Report
On
Diabetes Mellitus**

A Project Submitted to
Himachal Pradesh Technical University, Hamirpur



In the partial fulfilment of the requirement for the degree of

BACHELOR OF PHARMACY

By

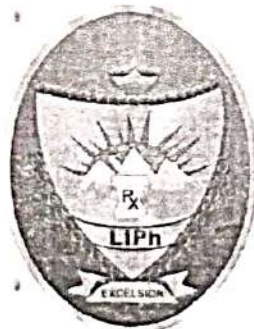
* EKTA SHARMA

Roll no 18BPD0630

Under the guidance of

Miss Astha Sharma

Asst. Professor Of Analysis



Laureate Institute of Pharmacy Kathog, Tehsil- Dehra
Distt- Kangra, (H.P) Pin code - 177101

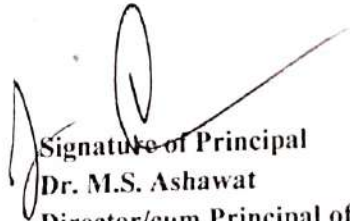
CERTIFICATE BY PRINCIPAL



It is to certify that the project entitled "Diabetes Mellitus" is a bonafide and genuine work carried out by Miss. Ekta Sharma Roll No. 18BPD0630 under the guidance of Miss. Astha Sharma Assistant Professor, Department of Analysis.

The work is original and has not been submitted for any degree/ diploma of this or any university.

Date 14/02/2022
Place


Signature of Principal
Dr. M.S. Ashawat
Director/cum Principal of
Laureate Institute of Pharmacy
Kathog

**PHARMACOGNOSTIC AND PHARMACOLOGICAL ASPECTS OF TRIDAX
PROCUMBENS(L): A REVIEW**

**A DISSERTATION SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,
HAMIRPUR**



**IN THE PARTIAL FULFILMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY**

2022

SUBMITTED BY

**MR. GURVINDER SINGH
ROLL NO. 18BPD0631**

UNDER THE GUIDENCE OF

**MRS. UPASANA THAKUR
ASSISTANT PROFESSOR
DEPT. OF PHARMACEUTICAL CHEMISTRY**



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101**

CERTIFICATE BY PRINCIPAL



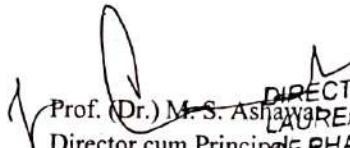
This is to certify that the work presented in the project entitled **"PHARMACOGNOSTIC AND PHARMACOLOGICAL ASPECTS OF TRIDAX PROCUMBENS(L): A REVIEW"** for the Degree of Bachelor of pharmacy has been carried out by **GURVINDER SINGH (18BPD0631)** himself under the supervision of **Mrs. UPASANA THAKUR**, Assistant Professor of Pharmaceutical chemistry in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date:

11/07/2022

Place:

Kathog


Prof. (Dr.) M. S. Ashay
Director cum Principal
Laureate Institute of Pharmacy,
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 177101.

**DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (HP)**

REVIEW ON TRIDAX PROCUMBENS

A Dissertation Submitted to
Himachal Pradesh Technical University,
Hamirpur



In the partial fulfilment for award of the Degree of

BACHELOR OF PHARMACY

2022

Submitted by

Mr. HARSH

ROLL NO. 18BPD0632

UNDER THE GUIDENCE OF

Mrs. UPASANA THAKUR



LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101

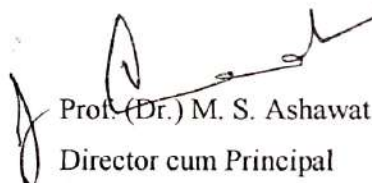
CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled “**REVIEW ON TRIDAX PROCUMBENS**” for the Degree of Bachelor of pharmacy has been carried out by **HARSH (18BPD0632)** himself under the supervision of **Mrs. UPASANA THAKUR**, Assistant Professor of Pharmaceutical chemistry in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date: 14 July 2022

Place: Kathog


Prof. (Dr.) M. S. Ashawat
Director cum Principal

Laureate Institute of
Pharmacy,
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 177101.

Pharmacological Activities of PONGAMIA PINNATA: A Review

A Dissertation submitted to Himachal Pradesh Technical University,
Hamirpur for the fulfilment the Degree of Bachelor of Pharmacy



By
HIMANSHU
Roll No.18BPD0633



Supervisor

Mrs. UPASANA THAKUR


LAUREATE INSTITUTE OF PHARMACY Kathog, Tehsil- Dehra,
Kangra (HP) Pin- 177101

ACKNOWLEDGEMENT

CERTIFICATE BY PRINCIPAL

This is the certificate that the work contained in the thesis entitled “**Pharmacological Activites of Pongamia Pinnata: A Review**” submitted to partial fulfillment of the requirement for Degree of Bachelor of Pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the research work carried out by **Mr. Himanshu (18BPD0633)** himself under the supervision and guidance of **Mrs. Upasana thakur** in the Department of Pharmaceutical Chemistry, Laureate Institute of Pharmacy, Kathog, Kangra (H.P.). The work has not been submitted in part or full for the award of any other degree in any other University in my knowledge.

Date: 11/07/2022


(Prof. (Dr.) M. S. Sharma) DIRECTOR CUM PRINCIPAL
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DISTT. KANGRA (H.P.)
Laureate Institute of Pharmacy,

Kathog, Distt. Kangra (H.P.) 177101

LAUREATE INSTITUTE OF PHARMACY

A REVIEW
ON
PHARMACOLOGICAL ACTIVITY OF PONGAMMIA PINNATA

A Project Submitted to
Himachal Pradesh Technical University, Hamirpur



In the partial fulfillment of the requirement for the degree of

BACHELOR OF PHARMACY

By

HIMANSHU SHRIDHAR

Roll no.18BPD0634

Under the guidance of

MRS.UPASANA THAKUR

Asst.Professor of Pharmaceutical chemistry



LAUREATE INSTITUTE OF PHARMACY KATHOG,
TEHSIL- JAWALAMUKHIDISTT-KANGRA, (HP) PIN - 177101



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This is to certify that the work contained in the Project entitled "PongamiaPinnata" submitted to partial fulfillment of the requirement for the degree of bachelor of pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the research work carried out by **Himanshu Shridhar (Roll no. 18BPD0634)** himself under the supervision and guidance of **Mrs. UPASANA THAKUR** in the department of **Pharmaceutical Chemistry**, Laureate Institute of Pharmacy, Kathog, **Jawalamukhi (H.P.)**. The work has not been submitted in part or full for the award of any other degree in any other university in my knowledge.

Date: **Dr. M.S. Ashawat**

Place:


Principal

Laureate Institute of Pharmacy

Kathog, **Jawalamukhi**

A REVIEW ON KASHIMIRI GARLIC

A Dissertation Submitted to
Himachal Pradesh Technical University,

Hamirpur



In the partial fulfilment for award of the Degree of

BACHELOR OF PHARMACY

2022

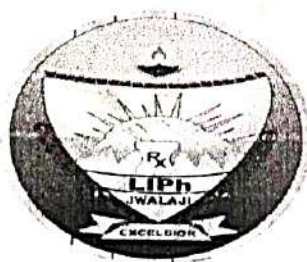
Submitted by

KAJOL

ROLL NO. 18BPD0635

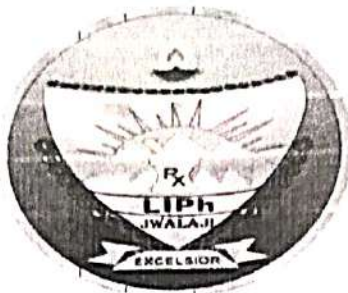
UNDER THE GUIDENCE OF

MR. TARUN KUMAR SHARMA



LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101


CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "A REVIEW ON KASHMIRI GARLIC" for the Degree of Bachelor of pharmacy has been carried out by **KAJOL (18BPD0635)** under the supervision of **MR. TARUN KUMAR SHARMA** Assistant Professor, Department of Pharmaceutics in Laureate Institute of Pharmacy. This work has not been submitted in parts or full to any other university in my knowledge.

Date: 13-7-22

Place: KASHMIR


Prof. (Dr.) J. M. S. Dhar CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)
Laureate Institute of Pharmacy,
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 177101.

BREAST CANCER

**A Dissertation Submitted to
Himachal Pradesh Technical University, Hamirpur**



**In the partial fulfilment for award of the Degree of
BACHELOR OF PHARMACY**

2022

Submitted by

KETAN KUMAR

18BPD0638

Supervisor: - MR TARUN SHARMA



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL- JAWALAMUKHI, DISTT. - KANGRA (HP)-176031**

BREAST CANCER

**A Dissertation Submitted to
Himachal Pradesh Technical University, Hamirpur**



**In the partial fulfilment for award of the Degree of
BACHELOR OF PHARMACY**

2022

Submitted by

KANAV SHARMA

18BPD0636

Supervisor: - MR TARUN SHARMA



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL- JAWALAMUKHI, DISTT. - KANGRA (HP)-176031**

BREAST CANCER

**A Dissertation Submitted to
Himachal Pradesh Technical University, Hamirpur**



**In the partial fulfilment for award of the Degree of
BACHELOR OF PHARMACY**

2022

Submitted by

KARAN SINGH

18BPD0637

Supervisor: - MR TARUN SHARMA



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL- JAWALAMUKHI, DISTT. - KANGRA (HP)-176031**

CERTIFICATE BY PRINCIPAL



It is to certify that the work contained in this dissertation entitled "BREAST CANCER" submitted to partial fulfillment of the requirement for the Degree of Bachelor of Pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the work carried out by KETAN KUMAR (18BPD0638) himself under the supervision of Mr. TARUN SHARMA, Asst. Professor, Pharmaceutics. The work is original and has not been submitted for any degree/diploma in this or any other university.

Date:

A handwritten signature in black ink, appearing to read 'Prof. (Dr.) M.S. Ashawat', is written over the printed name.

Prof. (Dr.) M.S. Ashawat
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)
Director cum Principal
LIPH, Kathog,

Project Work

**Topic: Market Ayurvedic Property Medicines
Used To Manage The Urolithiasis**

A Dissertation Submitted to

Himachal Pradesh Technical University, Hamirpur



In the partial fulfilment for award of the Degree of

BACHELOR OF PHARMACY

2022

Submitted by

Name of Student: Kritika Sharma

Roll No.: 18BPD0639

Supervisor- Associate Prof. Mr. Nishant Gautam

LAUREATE INSTITUTE OF PHARMACY, KATHOG,



TEHSIL - JAWALAMUKHI, DISTT. -KANGRA (HP)-176031


CERTIFICATE BY PRINCIPAL



It is to certify that the work contained in this dissertation entitled **"Market Ayurvedic Property Medicines Used To Treat The Urolithiasis"** submitted to partial fulfillment of the requirement for the Degree of Bachelor of Pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the work carried out by **Kritika Sharma(18BPD0639)** under the supervision of **Associate Prof. Mr. Nishant Gautam** Under the Department Of Pharmacology, Laureate Institute Of Pharmacy Kathog. The work is original and has not been submitted for any degree/diploma in this or any other university.

Date: 6/7/2022

Place: Kathog


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
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JAWALAMUKHI
DISTT. KANGRA (H P)

Director cum Principal
Laureate Institute of Pharmacy,
Kathog, The. Jawalamukhi,
Distt. Kangra, HP- 176301

Project Work
on
Market Ayurvedic Proprietary Medicines Used
To Manage The Urolithiasis

A Dissertation Submitted to

Himachal Pradesh Technical University, Hamirpur



In the partial fulfilment for award of the Degree of

BACHELOR OF PHARMACY

2022

Submitted by

Name of Student: Lovely Choudhary

Roll No.: 18BPD0641

Supervisor- Associate Prof. Mr. Nishant Gautam

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TEHSIL - JAWALAMUKHI, DISTT. -KANGRA (HP)-176031


CERTIFICATE BY PRINCIPAL



It is to certify that the work contained in this dissertation entitled "Market Ayurvedic Proprietary Medicines Used To Treat The Urolithiasis" submitted to partial fulfillment of the requirement for the Degree of Bachelor of Pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the work carried out by **Lovely Choudhary (18BPD0641)** under the supervision of **Associate Prof. Mr. Nishant Gautam** Under the Department Of Pharmacology, Laureate Institute Of Pharmacy Kathog. The work is original and has not been submitted for any degree/diploma in this or any other university.

Date: 12/7/22

Place: Kathog


Prof. (Dr.) M. S. Ashawat

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Distt. Kangra, HP- 176301

Project Work

**Topic: Market Ayurvedic Property Medicines
Used To Manage The Urolithiasis**

A Dissertation Submitted to

Himachal Pradesh Technical University, Hamirpur



In the partial fulfilment for award of the Degree of

BACHELOR OF PHARMACY

2022

Submitted by

Name of Student: Mahak Sharma

Roll No.: 18BPD0642

Supervisor- Associate Prof. Mr. Nishant Gautam

LAUREATE INSTITUTE OF PHARMACY, KATHOG,



TEHSIL - JAV/ALAMUKHI, DISTT. -KANGRA (HP)-176031

CERTIFICATE BY PRINCIPAL



It is to certify that the work contained in this dissertation entitled “**Market Ayurvedic Property Medicines Used To Treat The Urolithiasis**” submitted to partial fulfillment of the requirement for the Degree of Bachelor of Pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the work carried out by **Mahak Sharma(18BPD0642)** under the supervision of **Associate Prof. Mr. Nishant Gautam** Under the Department Of Pharmacology, Laureate Institute Of Pharmacy Kathog. The work is original and has not been submitted for any degree/diploma in this or any other university.

Date: 6/7/2022

Place: Kathog

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DIST. KANGRA (H.P.)

Prof. (Dr.) M. S. Ashwan

Director cum Principal

Laureate Institute of Pharmacy,

Kathog, The. Jawalamukhi,

Distt. Kangra, HP- 176301

Project Work
on
Market Ayurvedic Proprietary Medicines Used
To Manage The Urolithiasis

A Dissertation Submitted to
Himachal Pradesh Technical University, Hamirpur



In the partial fulfilment for award of the Degree of

BACHELOR OF PHARMACY

2022

Submitted by

Name of Student: Manish Kumar

Roll No.: 18BPD0643

Supervisor- Associate Prof. Mr. Nishant Gautam

LAUREATE INSTITUTE OF PHARMACY, KATHOG,



TEHSIL - JAWALAI/UKHI, DISTT. -KANGRA (HP)-176031

CERTIFICATE BY PRINCIPAL



It is to certify that the work contained in this dissertation entitled "Market Ayurvedic Proprietary Medicines Used To Treat The Urolithiasis" submitted to partial fulfillment of the requirement for the Degree of Bachelor of Pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the work carried out by Manish Kumar (188PD0643) under the supervision of Associate Prof. Mr. Nishant Gautam Under the Department Of Pharmacology, Laureate Institute Of Pharmacy Kathog. The work is original and has not been submitted for any degree/diploma in this or any other university.

Date: 12/7/22

Place: Kathog


Prof. (Dr.) M. S. Ashawat

Director cum Principal
Laureate Institute of Pharmacy,
Kathog, The. Jawalamukhi,
Distt. Kangra, HP- 176301

*Simultaneous Estimation
Of
Diclofenac and Paracetamol on UV Spectroscopy*

A Dissertation submitted to
Himachal Pradesh Technical University, Hamirpur



In the Partial Fulfilment For Award Of the Degree of
Bachelor of Pharmacy
2022

SUBMITTED BY
MOHIT DOGRA
Roll No.18BPD0644

UNDER THE GUIDENCE OF
MRS. POOJA KAUSHAL
Assistant Professor of Pharmaceutical Analysis & QA



Laureate Institute of Pharmacy

Kathog, Tehsil- Jawalamukhi, Kangra (HP) Pin- 176031

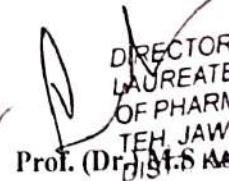
CERTIFICATE BY PRINCIPAL



This is the certificate that the work contained in the thesis entitled “**Simultaneous estimation Diclofenac and Paracetamol on UV Spectroscopy**” submitted to partial fulfillment of the requirement for Degree of Bachelor of Pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the research work carried out by **Mr. Mohit Dogra (18BPD0644)** himself under the supervision and guidance of **Mrs. Pooja Kaushal** in the **Department of Pharmaceutical Analysis and QA, Laureate Institute of Pharmacy, Kathog, Kangra (H.P.)**. The work has not been submitted in part or full for the award of any other degree in any other University in my knowledge.

Date:

Place:


DIRECTOR CUM PRINCIPAL,
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DIST. KANGRA (H.P.)

Director Cum Principal,

Laureate Institute of Pharmacy,

Kathog, Distt. Kangra (H.P.)176031

***Simultaneous Estimation
Of
Diclofenac and Paracetamol on U V Spectroscopy***

A Dissertation submitted to Himachal Pradesh Technical University, Hamirpur
for the fulfillment the Degree of Bachelor of Pharmacy



2022

By
Neetika
Roll No.18BPD0648



Supervisor
Ms. Pooja Kaushal

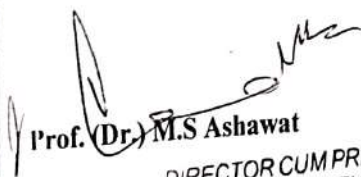
Laureate Institute of Pharmacy Kathog, Tehsil- Dehra, Kangra
(HP) Pin- 177101

CERTIFICATE BY PRINCIPAL



This is the certificate that the work contained in the thesis entitled "**Simultaneous estimation Diclofenac and Paracetamol on UV Spectroscopy**" submitted to partial fulfillment of the requirement for Degree of Bachelor of Pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the research work carried out by **Ms. Neetika (18BPD0648)** herself under the supervision and guidance of **Ms. Pooja Kaushal** in the Department of Pharmaceutical Analysis and QA, Laureate Institute of Pharmacy, Kathog, Kangra (H.P.). The work has not been submitted in part or full for the award of any other degree in any other University in my knowledge.

Date:


Prof. (Dr.) M.S. Ashawat

Principal, DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
Laureate Institute of Pharmacy,
DISTT. KANGRA (H.P.)
Kathog, Distt. Kangra (H.P.) 177101

A REVIEW ON PARKISON'S DISEASE

PROJECT REPORT

A Dissertation submitted to Himachal Pradesh Technical University, Shimla for the fulfillment of the degree of

BACHELOR OF PHARMACY



Submitted by – Mr. Nikhil Choudhary

Roll no - 18BPD0649

Submitted to – Mrs. Arti Rana

Associate professor

Pharmaceutical Analysis and Q.A.



**LAUREATE INSTITUTE OF PHARMACY, KATHOG
TEHSIL- DEHRA, DISTRICT- KANGRA (HP) – 177101**

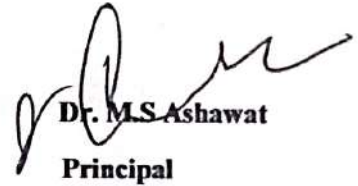
CERTIFICATE BY PRINCIPAL



It is to certify that the dissertation entitled "A REVIEW ON PARKINSON'S DISEASE" is a bonafide project work carried out by Mr. Nikhil Choudhary (18BPD0649) under the guidance of Mrs. Arti Rana in the B. pharmacy, for the award of bachelor of pharmacy from Laureate institute of Pharmacy, Kathog

DATE: 15-07-2022

PLACE: KATHOG


Dr. M.S. Ashawat
Principal

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)

**A REVIEW ON PARKISON'S DISEASE
PROJECT REPORT**

**A Dissertation submitted to Himachal Pradesh Technical University, Shimla for the
fulfillment of the degree of**

BACHELOR OF PHARMACY



Submitted by – Mr. Nikhil Choudhary

Roll no - 18BPD0650

Submitted to – Mrs. Arti Rana

Associate professor

Pharmaceutical Analysis and Q.A.



**LAUREATE INSTITUTE OF PHARMACY, KATHOG
TEHSIL- DEHRA, DISTRICT- KANGRA (HP) – 177101**

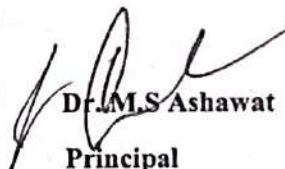
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DATE: 15/07/2022

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Dr. M.S. Ashawat
Principal

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DIST. KANGRA (H.P.)

PROJECT WORK

TOPIC: ANDROGENETIC ALOPECIA

**A PROJECT SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,
HAMIRPUR**



**IN THE PARTIAL FULFILMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY**

2022

SUBMITTED BY

MR. NIKHIL KUMAR

ROLL NO. 18BPD0651

UNDER THE GUIDENCE OF

ASST.PROF. ARTI DEVI

**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101**

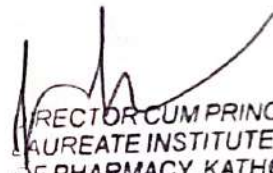
CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "ANDROGENETIC ALOPECIA" for the Degree of Bachelor of pharmacy has been carried out by **NIKHIL KUMAR (18BPD0651)** under the supervision of **ASST. PROF. ARTI DEVI** department of pharmaceutical analysis in Laureate Institute of Pharmacy. The work is original and has not been submitted for any degree/diploma in this or any other university.

Date: 15/07/2022

Place: Kathog


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DIST. KANGRA (H.P.)

Prof. (Dr.) M. S. Asthival

Director cum Principal

Laureate Institute of Pharmacy,

Kathog, Teh. Jawalamukhi,

Distt. Kangra, HP- 176031.

PROJECT WORK

TOPIC: ANDROGENETIC ALOPECIA

A PROJECT SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,
HAMIRPUR



IN THE PARTIAL FULFILMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY

2022

SUBMITTED BY

MR. NIKHIL KUMAR

ROLL NO. 18BPD0652

UNDER THE GUIDENCE OF

ASST.PROF. ARTI DEVI

LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101


CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "ANDROGENETIC ALOPECIA" for the Degree of Bachelor of pharmacy has been carried out by **NIKHIL KUMAR (18BPD0652)** under the supervision of **ASST. PROF. ARTI DEVI** department of pharmaceutical analysis in Laureate Institute of Pharmacy. The work is original and has not been submitted for any degree/diploma in this or any other university.

Date: 15/07/2022

Place: Kathog -

 DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DIST. KANGRA (H.P.)

Director cum Principal

Laureate Institute of Pharmacy,

Kathog, Teh. Jawalamukhi,

Distt. Kangra, HP- 176031.

A REVIEW ON POTENTIAL APPLICATION OF ANTIOXIDANTS

**A DISSERTATION SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,
HAMIRPUR**



IN THE PARTIAL FULFILMENT FOR AWARD OF THE DEGREE OF

BACHELOR OF PHARMACY

2022

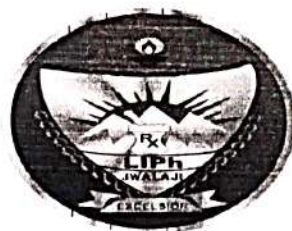
SUBMITTED BY

MR. NISHANT KOUNDAL

ROLL NO. 18BPD0653

UNDER THE GUIDENCE OF

MRS. DIMPLE KUMARI



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. KANGRA (HP)-177101**

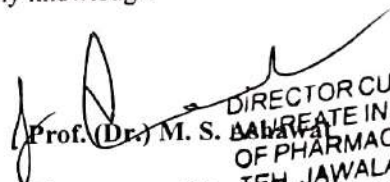
CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled **"A REVIEW ON POTENTIAL APPLICATION OF ANTIOXIDANTS"** for the Degree of Bachelor of pharmacy has been carried out by **NISHANT KOUNDAL(18BPDO653)** himself under the supervision of **MRS. DIMPLE KUMARI**, Assistant Professor of Pharmaceutics in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date:

Place:


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)

Laureate Institute of Pharmacy,
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 177101.

A REVIEW ON POTENTIAL APPLICATION OF ANTIOXIDANTS

A DISSERTATION SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,
HAMIRPUR



IN THE PARTIAL FULFILMENT FOR AWARD OF THE DEGREE OF

BACHELOR OF PHARMACY

2022

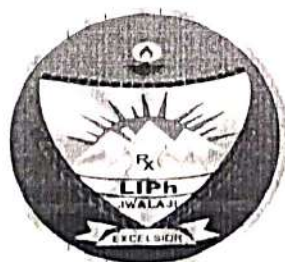
SUBMITTED BY

NIKITA

ROLL NO. 18BPD0654

UNDER THE GUIDANCE OF

MRS. DIMPLE KUMARI



LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. KANGRA (HP)-177101

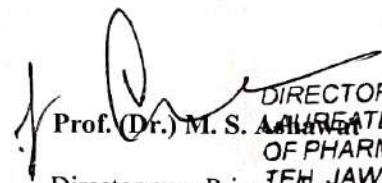
CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "**A REVIEW ON POTENTIAL APPLICATION OF ANTIOXIDANTS**" for the Degree of Bachelor of pharmacy has been carried out by **NIKITA(18BPD0654)** himself under the supervision of **MRS. DIMPLE KUMARI**, Assistant Professor of Pharmaceutics in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date: 15-07-2022

Place:


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)

Director cum Principal

Laureate Institute of Pharmacy,

Kathog, Teh. Jawalamukhi,

Distt. Kangra, HP- 177101.

**A REVIEW
ON
TABLET**

A Project Submitted to
Himachal Pradesh Technical University, Hamirpur



In the partial fulfillment of the requirement for the degree of
BACHELOR OF PHARMACY

By

PARLADH KATOCH

Roll no.18BPD0655

Under the guidance of

Mrs. Dimple Rana

Asst. Professor of Pharmaceutics



**LAUREATE INSTITUTE OF PHARMACY KATHOG,
TEHSIL- JAWALAMUKHIDISTT-KANGRA, (HP) PIN – 176031**



Laureate Institute of Pharmacy

Recognized under section 2(f) of the UGC Act 1956

Approved by the Council of the University of Jammu, Jammu, J.K. (1987)

CERTIFICATE BY PRINCIPAL

This is to certify that the work contained in the Project entitled "Formulation and Development of Tablet:A Review" submitted to partial fulfillment of the requirement for the degree of bachelor of pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the research work carried out by **PARLADH KATOCH (Roll no. 18BPD0655)** himself under the supervision and guidance of **Mrs. DIMPLE RANA** in the department of **Pharmaceutics**, Laureate Institute of Pharmacy, Kathog Jawalamukhi (H.P).The work has not been submitted in part or full for the award of any other degree in any other university in my knowledge.

Date:

Place:


Dr. M.S. Ashawat
Principal

Laureate Institute of Pharmacy

Kathog Jawalamukhi

**A REVIEW
ON
TABLET**

A Project Submitted to
Himachal Pradesh Technical University, Hamirpur



In the partial fulfillment of the requirement for the degree of

BACHELOR OF PHARMACY

By

PAWNESH KHATTA

Roll no.18BPD0657

Under the guidance of

Mrs. Dimple Rana

Asst. Professor of Pharmaceutics



**LAUREATE INSTITUTE OF PHARMACY KATHOG,
TEHSIL- JAWALAMUKHIDISTT-KANGRA, (HP) PIN - 176031**

REVIEW ON PHARMACEUTICAL DRUG: ETHOSOMES

A Project submitted to
Himachal Pradesh Technical University, Hamirpur



In the partial fulfilment of the requirement for the degree of

BACHELOR OF PHARMACY

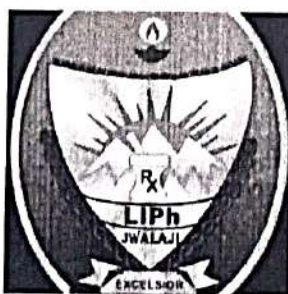
By

Priyanka - B.Pharmacy

Roll no.18BPD0659

Under the guidance of

Mr. Ajay Kumar

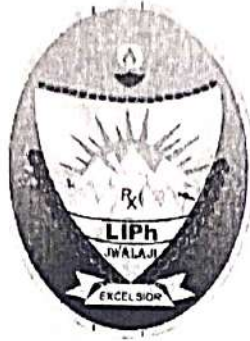


LAUREATE INSTITUTE OF PHARMACY

Kathog, Tehsil-Jawalamukhi

Distt- Kangra, (H.P) Pin code- 177101

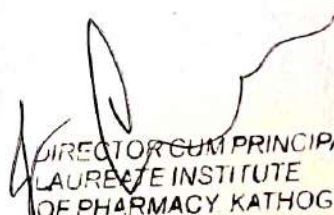
CERTIFICATE BY HEAD OF INSTITUTION



It is to certify that the project entitled "REVIEW ON PHARMACEUTICAL DURG: EHTOSOMES" is a bonafide and genuine work carried out by Priyanka (Roll No 18BPD0659) under the guidance of Mr. Ajay kumar. Assistant professor, Department of Pharmaceutics. The work is original and has not been submitted for any degree/diploma of this or any university.

Date: 15/07/2022

Place: Kathog


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY KATHOG
TEH JAWALAMUKHI
DISTT KANGRA
Signature of Principal

Dr.M.S Aashawat

Principal

Laureate Institute of Pharmacy

Kathog, Tehsil-Dehra

Distt-Kangra(H.P)

Formulation and Evaluation of Paracetamol Tablet

A Project Submitted to

Himachal Pradesh Technical University, Hamirpur



In the partial fulfillment of the requirement for the degree of

BACHELOR OF PHARMACY

Priyanka

Roll No. 18BPD0660

8th semester

Under the guidance of

Mr. AJAY KUMAR

Professor of Pharmaceutics



Laureate Institute of Pharmacy, Kathog

Pin code – 177101 Distt – Kangra, (H.P)

CERTIFICATE BY HEAD OF INSTITUTION




It is to certify that the project entitled "Formulation and Evaluation of Paracetamol" is a bonafide and genuine work carried out by Miss. Priyanka , Roll No. 18BPD0660 under the guidance of Mr. Ajay Kumar.

The work is original and has not been submitted for any degree/ diploma of this or any university.

Date: 13-07-2022

Place: Kathog


Signature of Principal
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
DISTT. KANGRA (H.P.)

Dr. M.S. Aashawat

Principal

Laureate Institute of Pharmacy

Kathog, Tehsil - Dehra

Formulation and Evaluation of Paracetamol Tablet

A Project Submitted to

Himachal Pradesh Technical University, Hamirpur



In the partial fulfillment of the requirement for the degree of

BACHELOR OF PHARMACY

Priyanka Guleria

Roll No. 18BPD0661

8th semester

Under the guidance of

Mr. AJAY KUMAR,

Professor of Pharmaceutics



Laureate Institute of Pharmacy, Kathog

Pin code – 177101 Distt – Kangra, (H.P)

CERTIFICATE BY HEAD OF INSTITUTION




It is to certify that the project entitled "Formulation and Evaluation of Paracetamol" is a bonafide and genuine work carried out by Miss. Priyanka Guleria, Roll No. 18BPD0661 under the guidance of Mr. Ajay Kumar.

The work is original and has not been submitted for any degree/ diploma of this or any university.

Date:

Place:


DIRECTOR CUM PRINC
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEHSIL JAWALAMUKHI
DISTT KANGRA (H.P.)
Signature of Principal
Dr. M.S. Aashawat

Principal

Laureate Institute of Pharmacy

Kathog, Tehsil - Dehra

**A REVIEW ON SILVER NANOPARTICLES: GENERAL METHODS OF
PREPARATION AND CHARACTERIZATION TECHNIQUES**

**A DISSERTATION SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,
HAMIRPUR**



**IN THE PARTIAL FULFILMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY**

2022

SUBMITTED BY

MR. RISHAD

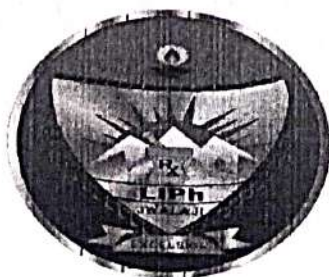
ROLL NO. 18BPD0662

UNDER THE GUIDENCE OF

MRS. ARCHANA CHAUDHARY

ASSISTANT PROFESSOR

DEPT. OF PHARMACEUTICS



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101**

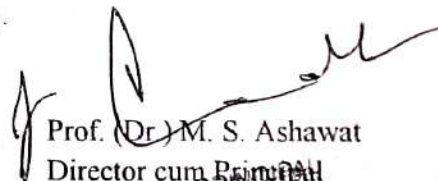
CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "A Review on Silver Nanoparticles: General Methods of Preparation and Characterization Techniques" for the Degree of Bachelor of pharmacy has been carried out by **RISHAD (18BPD0662)** himself under the supervision of **Mrs. ARCHANA CHAUDHARY** Assistant professor of Pharmaceutics in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date: 14/07/2022

Place: LIPH WALAMUKHI


Prof. (Dr.) M. S. Ashawat
Director cum Principal
LAUREATE INSTITUTE OF PHARMACY,
WALAMUKHI, JAWALAMUKHI,
TEH: JAWALAMUKHI (H.P.)
DIST: KANGRA, HP- 177101.

**A REVIEW ON SILVER NANOPARTICLES: GENERAL METHODS OF
PREPARATION AND CHARACTERIZATION TECHNIQUES**

**A DISSERTATION SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,
HAMIRPUR**



**IN THE PARTIAL FULFILMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY**

2022

SUBMITTED BY

MR. RITESH

ROLL NO. 18BPD0663

UNDER THE GUIDENCE OF

MRS. ARCHANA CHAUDHARY

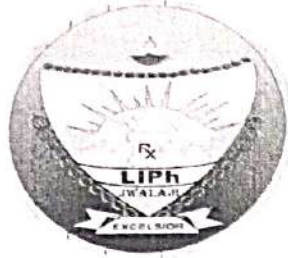
ASSISTANT PROFESSOR

DEPT. OF PHARMACEUTICS



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101**

CERTIFICATE BY PRINCIPAL



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Date: 14/07/2022

Place: LIPH Kathog

A handwritten signature in black ink, appearing to be 'M. S. Ashawat', is written over the printed name.

Prof. (Dr.) M. S. Ashawat
DIRECTOR/PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY
TEH. JAWALAMUKHI,
DISTT. KANGRA (H.P.)
Distt. Kangra, HP- 177101.

**A REVIEW ON SILVER NANOPARTICLES: GENERAL METHODS OF
PREPARATION AND CHARACTERIZATION TECHNIQUES**

**A DISSERTATION SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,
HAMIRPUR**



**IN THE PARTIAL FULFILMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY**

2022

SUBMITTED BY

MR. RITISH

ROLL NO. 18BPD0664

UNDER THE GUIDENCE OF

MRS. ARCHANA CHAUDHARY

ASSISTANT PROFESSOR

DEPT. OF PHARMACEUTICS



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101**

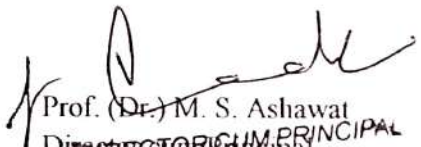
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Date: 14/07/2022

Place: LIPH Kathog


Prof. (Dr.) M. S. Ashawat
DIRECTOR/PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
KATHOG, TEH. JAWALAMUKHI,
DIST. KANGRA
Distt. Kangra, HP- 177101.

**A REVIEW ON SILVER NANOPARTICLES: GENERAL METHODS OF
PREPARATION AND CHARACTERIZATION TECHNIQUES**

**A DISSERTATION SUBMITTED TO
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HAMIRPUR**



**IN THE PARTIAL FULFILMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY**

2022

SUBMITTED BY

MR. RITIK CHANDEL

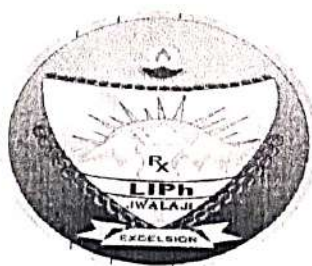
ROLL NO. 18BPD0666

UNDER THE GUIDENCE OF

MRS. ARCHANA CHAUDHARY

ASSISTANT PROFESSOR

DEPT. OF PHARMACEUTICS



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101**


CERTIFICATE BY PRINCIPAL



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Date: 14/07/2022

Place: LAUREATE


Prof. (Dr.) M. S. Ashawat
Principal
DIRECTOR
LAUREATE INSTITUTE
OF PHARMACY
KATHOG
TEKRI, WATAJI, JAWALAMUKHI,
DISTT. KANGRA, HP- 177101.

A Review on Effervescent Tablet

A Project Submitted to
Himachal Pradesh Technical University, Hamirpur



In the partial fulfilment of the requirement for the degree of
BACHELOR OF PHARMACY

Submitted By

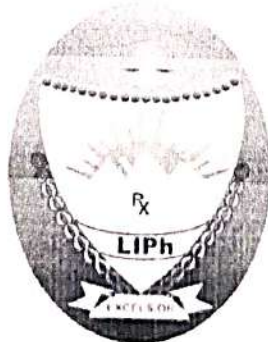
Rohit

Roll No. 18BPD0668

Under the guidance of

Sh. Devraj Sharma

Assistant Professor of Pharmaceutics



Laureate Institute of Pharmacy

Kathog, Tehsil- Dehra Distt- Kangra,
(H.P) Pin code – 177101

CERTIFICATE BY HEAD OF INSTITUTION



It is to certify that the “**Review On Effervescent tablets**” is a bonafide and genuine work carried out by **Mr. Rohit** Roll No.18BPD0668 under the guidance of **Sh. Devraj Sharma** Assistant Professor, Department of Pharmaceutics.

Date: 15/7/22

Place: Laureate Institute
of Pharmacy, Kathog

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)

Signature of Principal

Dr. M.S. Ashawat

Director Cum Principal

Laureate Institute of Pharmacy

Kathog, Tehsil- Dehra

Distt- Kangra, (H.P.)

A Review on Effervescent Tablet

A Project Submitted to
Himachal Pradesh Technical University, Hamirpur



In the partial fulfilment of the requirement for the degree of

BACHELOR OF PHARMACY

By

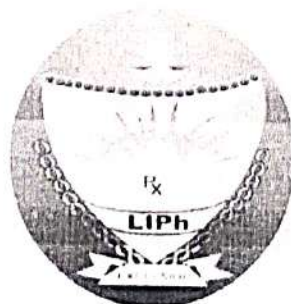
Rohit Kumar

Roll no. 18BPD0669

Under the guidance of

Mr. Dev Raj Sharma

Asst. Professor of Pharmaceutics



*Laureate Institute of Pharmacy Kathog, Tehsil- Dehra
Distt- Kangra, (H.P) Pin code – 177101*

CERTIFICATE BY HEAD OF INSTITUTION



It is to certify that the project entitled "A Review on Effervescent Tablet" is a bonafide and genuine work carried out by **Rohit Kumar** Roll no. 18BPD0669 under the guidance of **Mr. Dev Raj Sharma** Assistant Professor, Department of Pharmaceutics.

Date: 15/07/22
Place: LIPH Kathog

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEHSIL DEHRA DUKKI
DISTT KANGRA (H.P.)

Signature of Principal
Dr. M.S Ashawat

Principal
Laureate Institute of Pharmacy
Kathog, Tehsil- Dehra
Distt- Kangra, (H.P.)

**A REVIEW
ON
QUALITY CONTROL TESTS FOR
PHARMACEUTICAL FORMULATION**

**A Project Submitted to
Himachal Pradesh Technical University, Hamirpur**



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

By

SAHIL

Roll no.18BPD0671

Under the guidance of

Mr. DEV RAJ SHARMA

Asst. Professor of Pharmaceutics





Laureate Institute of Pharmacy

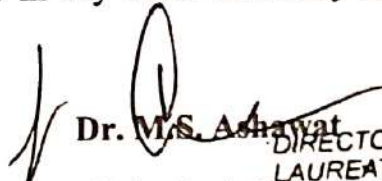
Recognized under section 2(f) of the UGC Act 1956
Approved by H.P. Govt, AICTE, PCI & Affiliated to HP Technical University

CERTIFICATE BY PRINCIPAL

This is to certify that the work contained in the Project entitled "Review on quality control tests for pharmaceutical formulation" submitted to partial fulfillment of the requirement for the degree of bachelor of pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the research work carried out by Mr. Sahil (Roll no. 18BPD0671) himself under the supervision and guidance of Mr. Dev Raj Sharma in the department of Pharmaceutics, Laureate Institute of Pharmacy, Kathog, Jawalamukhi (H.P). The work has not been submitted in part or full for the award of any other degree in any other university in my knowledge.

Date: 15-07-2022

Place: Laureate Institute of
Pharmacy, Kathog,
Jawalamukhi


Dr. M.S. Ashwat

Principal Of

Laureate Institute of Pharmacy

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG,
TEH. JAWALAMUKHI
DIST. KANGRA (H.P.)

Kathog Jawalamukhi

**A REVIEW
ON
QUALITY CONTROL TESTS FOR
PHARMACEUTICAL FORMULATION**

A Project Submitted to
Himachal Pradesh Technical University, Hamirpur



In the partial fulfillment of the requirement for the degree of

BACHELOR OF PHARMACY

By

SAHIL CHOUDHARY

Roll no.18BPD0672

Under the guidance of

Mr. DEV RAJ SHARMA

Asst. Professor of Pharmaceutics





Laureate Institute of Pharmacy

Recognized under section 2(f) of the UGC Act 1956
Approved by H.P. Govt. AICTE, PCI & Affiliated to HP Technical University

CERTIFICATE BY PRINCIPAL

This is to certify that the work contained in the Project entitled "Review on quality control tests for pharmaceutical formulation" submitted to partial fulfillment of the requirement for the degree of bachelor of pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the research work carried out by Mr. Sahil Choudhary (Roll no. 18BPD0672) himself under the supervision and guidance of Mr. Dev Raj Sharma in the department of Pharmaceutics, Laureate Institute of Pharmacy, Kathog, Jawalamukhi (H.P). The work has not been submitted in part or full for the award of any other degree in any other university in my knowledge.

Date: 18-07-2022

Place: Laureate Institute
of Pharmacy
(Kathog)

Dr. M.S. Arora
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)
Laureate Institute of Pharmacy

Kathog Jawalamukhi

**COMPARATIVE STANDARDIZATION OF MARKETED FORMULATIONS OF
FERMENTED BIOMEDICINE – KUTAJRISTHA**

**A Project work report Submitted to
Himachal Pradesh Technical University, Hamirpur**

In the partial fulfilment for award of the Degree of



**BACHELOR OF PHARMACY
2022**

Submitted by

Mr. SAHIL SHARMA

Supervisor

Ms. RINU RANA

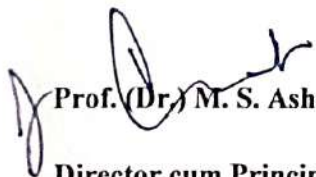


**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT.-KANGRA (HP)-176031**

CERTIFICATE BY PRINCIPAL



It is to certify that the work contained in this dissertation entitled “**COMPARATIVE STANDARDIZATION OF MARKETED FORMULATIONS OF FERMENTED BIOMEDICINE – KUTAJRISTHA**” submitted to partial fulfillment of the requirement for the Degree of Bachelor of Pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the work carried out by **SAHIL SHARMA (18BPD0673)** himself under the supervision of Ms. **RINU RANA, Assistant Professor of Pharmacognosy**. The work is original and has not been submitted for any degree/diploma in this or any other university.


Prof. (Dr.) M. S. Ashawat

Director cum Principal
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)
DATE: 13-07-2022

PLACE: Laureate Institute of Pharmacy, Kathog, Jawalamukhi, Kangra, H.P.176031

**PHYSIOCHEMICAL STUDIES OF OILS
A PROJECT WORK REPORT SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,
HAMIRPUR**



**IN THE PARTIAL FULFILMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY**

2022

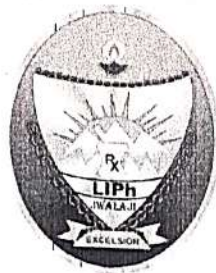
SUBMITTED BY

SANCHI

ROLL NO. 18BPD0675

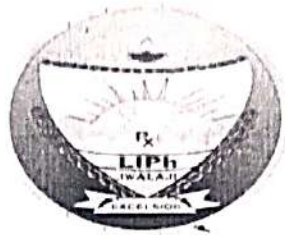
UNDER THE GUIDANCE OF

MRS. RINU RANA



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-176031**

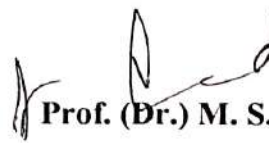
CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "PHYSIOCHEMICAL STUDIES OF EDIBLE OILS" for the Degree of Bachelor of pharmacy has been carried out by **SANCHI (18BPD0675)** herself under the supervision of **Mrs. Rinu Rana**, Assistant Professor of Pharmacognosy in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date: July 14th 2022

Place: Kathog


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI,
DIST. KANGRA (H.P.)

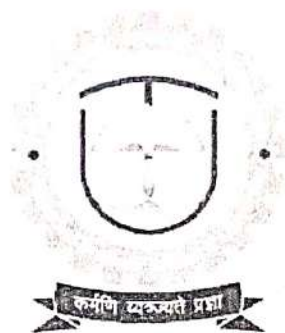
Director cum Principal

Laureate Institute of Pharmacy,

Kathog, Teh. Jawalamukhi,

Distt. Kangra, HP- 176031.

FINAL RESEARCH PROJECT REPORT
ON
FORMULATION AND EVALUATION OF HERBAL LIPSTICK
A dissertation submitted to
HIMACHAL PRADESH TECHNICAL UNIVERSITY, HAMIRPUR



In the partial fulfillment for the award of degree

Bachelor of Pharmacy
2018-2022

Submitted By

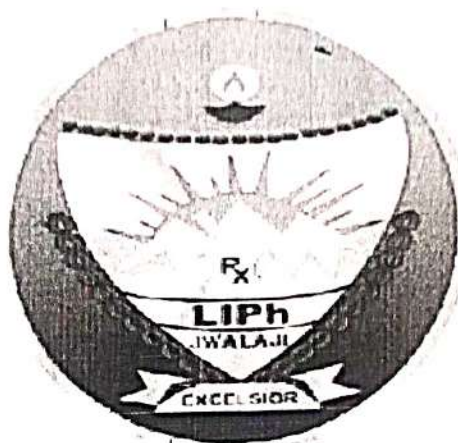
Shagun Sharma
18BPD0676

Supervisor: Asst. Prof. Ms. Rinu Rana

Laureate Institute of Pharmacy, kathog, Tehsil Jwalamukhi, Distrcet Kangra




CERTIFICATE BY PRINCIPAL



It is to certify that project entitled "Formulation and Evaluation of Herbal Lipstick" is a bonafide project work carried out by Ms. Shagun Sharma (18BPD0676) under the guidance and supervision of Ms. Rinu Rana for the award of degree of Bachelor of Pharmacy in Laureate Institute of Pharmacy, Kathog.

DATE: 15-07-22
PLACE: Kathog


Prof. Dr. M.S. Ashwari
Director cum Principal
Laureate Institute of Pharmacy
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
WALAMUKHI
DISTT. KANGRA (H.P.)

**COMPARATIVE STANDARDIZATION OF MARKETED FORMULATIONS OF
FERMENTED BIOMEDICINE – KUTAJRISTHA**

**A Project work report Submitted to
Himachal Pradesh Technical University, Hamirpur**

In the partial fulfilment for award of the Degree of



**BACHELOR OF PHARMACY
2022**

Submitted by

Mr. SAHIL KUMAR LAGWAL

Supervisor

Ms. RINU RANA



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT.-KANGRA (HP)-176031**

CERTIFICATE BY PRINCIPAL



It is to certify that the work contained in this dissertation entitled “**COMPARATIVE STANDARDIZATION OF MARKETED FORMULATIONS OF FERMENTED BIOMEDICINE – KUTAJRISTHA**” submitted to partial fulfillment of the requirement for the Degree of Bachelor of Pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the work carried out by **SAHIL KUMAR LAGWAL (18BPD0677)** himself under the supervision of **Ms. RINU RANA, Assistant Professor of Pharmacognosy**. The work is original and has not been submitted for any degree/diploma in this or any other university.


Prof. (Dr.) M. S. Ashawat

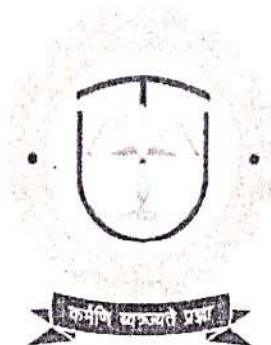
Director cum Principal
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)
DATE: 13-07-2022

PLACE: Laureate Institute of Pharmacy, Kathog, Jawalamukhi, Kangra, H.P.176031

**A REVIEW ON HERBAL DRUGS FOR
RHEUMATOID ARTHRITIS
PROJECT REPORT**

**A Dissertation submitted to
Himachal Pradesh Technical University,
Hamirpur**

**for the fulfilment the degree of
BACHELOR OF PHARMACY**



**Submitted by– Sharad Kapoor
Roll no.-18BPD0678**

**Submitted to – Mrs. Kamyra Jindal
Associate Professor**

**Department of Pharmaceutical Chemistry &
Analysis**

**Laureate Institute of Pharmacy, Kathog
Teh. Jawalamukhi, Distt. Kangra (HP)177101**

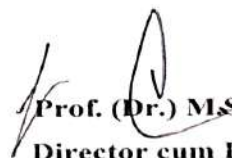
CERTIFICATE BY PRINCIPAL



It is to certify that the dissertation entitled “A Review on Herbal Drugs for Rheumatoid Arthritis” is a bonafide project work carried out by **Mr. Sharad Kapoor (18BPD0678)** under the guidance of **Mrs. Kamyra Jindal** in the **B. Pharmacy** for the award of **Bachelor of Pharmacy** from **Laureate Institute of Pharmacy, Kathog.**

DATE: 15-07-2022

PLACE: KATHOG


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DIST. RANGRA (H.P.)
Prof. (Dr.) Ms. Ashwani
Director cum Principal
Laureate Institute of Pharmacy

A REVIEW ON COVID-19 & IT'S VARIANTS

PROJECT REPORT

A Dissertation submitted to

**Himachal Pradesh Technical University,
Hamirpur**

for the fulfillment the degree of

BACHELOR OF PHARMACY



Submitted by – Mr. Shashwat

Roll no-18BPD0679

Submitted to – Mrs. Kamya Jindal

Associate Professor

**Department of Pharmaceutical Chemistry &
Analysis**

Laureate Institute of Pharmacy, Kathog

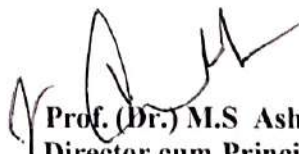
Teh. Jawalamukhi, Distt. Kangra (HP)177101

CERTIFICATE BY PRINCIPAL



It is to certify that the dissertation entitled “Covid-19 & it’s variants.” is a bonafide project work carried out by **Mr. Shashwat** (18BPD0679) under the guidance of **Mrs. Kamyia Jindal** in the **B. Pharmacy**, for the award of **Bachelor of Pharmacy** from **Laureate Institute of Pharmacy, Kathog.**

DATE: 15-07-2022
PLACE: KATHOG


Prof. (Dr.) M.S. Ashawat
Director cum Principal
Laureate Institute of Pharmacy

A REVIEW ON COVID-19 & IT'S VARIANTS

PROJECT REPORT

A Dissertation submitted to

**Himachal Pradesh Technical University,
Hamirpur**

for the fulfillment the degree of

BACHELOR OF PHARMACY



Submitted by – Ms. Shiana

Roll no-18BPD0680

Submitted to – Mrs. Kamyia Jindal

Associate Professor

**Department of Pharmaceutical Chemistry &
Analysis**

Laureate Institute of Pharmacy, Kathog


Teh. Jawalamukhi, Distt. Kangra (HP)177101

CERTIFICATE BY PRINCIPAL



It is to certify that the dissertation entitled "Covid-19 & it's variants." is a bonafide project work carried out by Ms. Shiana (18BPD0680) under the guidance of Mrs. Kamyia Jindal in the B. Pharmacy, for the award of **Bachelor of Pharmacy** from **Laureate Institute of Pharmacy, Kathog.**

DATE: 15-7-22
PLACE: KATHOG

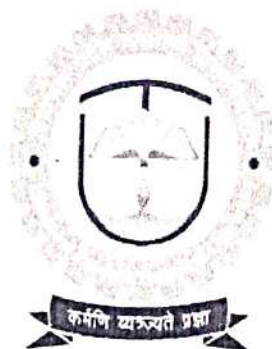

Prof. (Dr.) M.S. Ashawat
Director-cum Principal
Laureate Institute of Pharmacy

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)

**A REVIEW ON HERBAL DRUGS FOR
RHEUMATOID ARTHRITIS
PROJECT REPORT**

**A Dissertation submitted to
Himachal Pradesh Technical University,
Hamirpur**

**for the fulfilment the degree of
BACHELOR OF PHARMACY**



Submitted by– Shikha

Roll no.-18BPD0681

Submitted to – Mrs. Kamya Jindal

Associate Professor

**Department of Pharmaceutical Chemistry &
Analysis**

Laureate Institute of Pharmacy, Kathog

Teh. Jawalamukhi, Distt. Kangra (HP)177101


CERTIFICATE BY PRINCIPAL



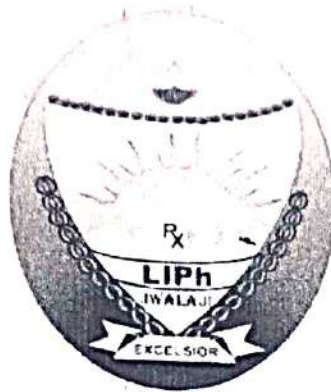
It is to certify that the dissertation entitled “**A Review on Herbal Drugs for Rheumatoid Arthritis**” is a bonafide project work carried out by **Ms. Shikha (18BPD0681)** under the guidance of **Mrs. Kamya Jindal** in the **B. Pharmacy** for the award of **Bachelor of Pharmacy** from **Laureate Institute of Pharmacy, Kathog.**

DATE:

PLACE: KATHOG


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DIST. SHIMLA (H.P.)
Prof. (Dr.) M.S. Ashwari
Director cum Principal
Laureate Institute of Pharmacy


CERIFICATE BY PRINCIPAL



It is to certify that the project entitled "A REVIEW ON TRANSAMINITIS AND ITS CASE STUDY" is a bonafide project work carried out by Miss. Shivani Dixit (18BPD0682) under the guidance of Dr. Shammy Jindal, Associate Professor, Department of Pharmaceutics Kathog, for the award of bachelor of pharmacy from Laureate Institute of Pharmacy, Kathog.

DATE: 14 July, 2022

PLACE: KATHOG


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEHSIL, JAWALAMUKHI
DISTT. KANGRA (H.P.)

Director cum Principal

Laureate Institute of Pharmacy

Kathog, Tehsil Jawalaji (H.P)

A REVIEW ON TRANSAMINITIS AND ITS CASE STUDY

A PROJECT REPORT

Submitted to Himachal Pradesh Technical University, Hamirpur for the partial fulfillment for the award of the degree of

BACHELOR OF PHARMACY



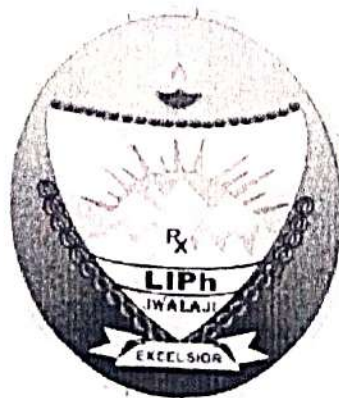
Submitted by – Miss. Shivani Dixit

Roll No-18BPD0682

Submitted to – Dr. Shammy Jindal

Associate professor

Pharmaceutics



**LAUREATE INSTITUTE OF PHARMACY, KATHIOLAJI
TEHSIL; DEHRA, DISTRICT . KANGRA (HP) – 177101**

A REVIEW ON INFLAMMATORY BOWEL DISEASE

A PROJECT REPORT

**Submitted to Himachal Pradesh Technical University, Hamirpur for the partial
fulfillment for the award of the degree of
BACHELOR OF PHARMACY**



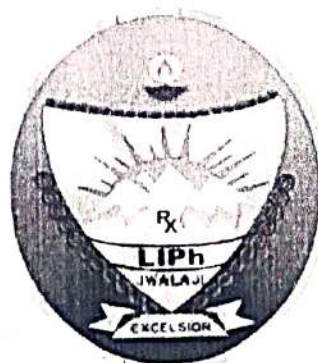
Submitted by – Miss. SHIVIKA

Roll no-18BPD0684

Submitted to – Dr. Shammy Jindal

Associate professor

Pharmaceutics



**LAUREATE INSTITUTE OF PHARMACY, KATHOG
TEHSIL; DEHRA, DISTRICT . KANGRA (HP) – 177101**

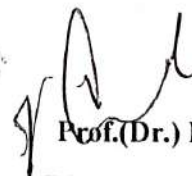
CERIFICATE BY PRINCIPAL



It is to certify that the dissertation entitled "A REVIEW ON INFLAMMATORY BOWEL DISEASE" is a bonafide project work carried out by Miss. Shivika (18BPD0684) under the guidance of Dr. Shabby Jindal, Associate Professor, Department of Pharmaceutics Kathog, for the award of bachelor of pharmacy from Laureate Institute of Pharmacy, Kathog.

DATE: 15/07/2022

PLACE: KATHOG

 DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
JAWALAMUKHI
DISTT. KANGRA (H.P.)

Director cum Principal

Laureate Institute of Pharmacy

Kathog, Tehsil Jawalaji (H.P)

**A REVIEW ON DUODENITIS ULCER DISEASE AND ITS CASE
STUDY**

PROJECT REPORT

**A Dissertation submitted to Himachal Pradesh Technical University, Shimla for the
fulfillment of the degree of**

BACHELOR OF PHARMACY



Submitted by – Miss. Shrutika

Roll no-18BPD0685

Submitted to – Dr. Shammy Jindal

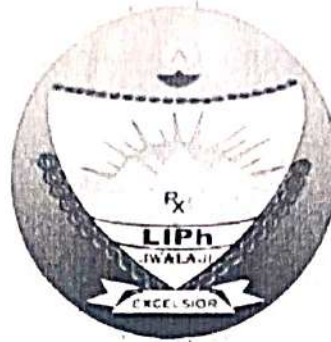
Associate professor

Pharmaceutics



**LAUREATE INSTITUTE OF PHARMACY, KATHOG
TEHSIL- DEHRA, DISTRICT- KANGRA (HP) – 177101**


CERTIFICATE BY PRINCIPAL



It is to certify that the dissertation entitled "A REVIEW ON DUODENITIS ULCER DISEASE AND ITS CASE STUDY" is a bonafide project work carried out by Miss. Shrutika (18BPD0685) under the guidance of Dr. Shammy Jindal in the B. pharmacy, for the award of bachelor of Pharmacy from Laureate Institute of Pharmacy, Kathog

DATE:

PLACE: KATHOG

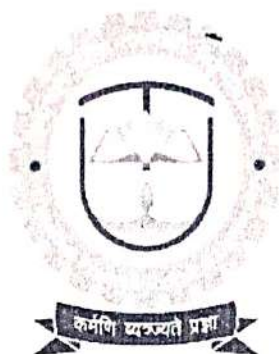

Dr. M.S Ashawat
Principal

A REVIEW ON CROHNS DISEASE AND ITS CASE STUDY

PROJECT REPORT

submitted to Himachal Pradesh Technical University, Hamirpur for the fulfillment the degree of

BACHELOR OF PHARMACY



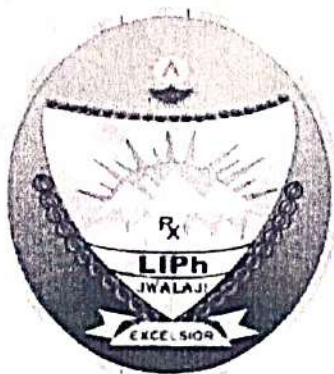
Submitted by – Mr. Shubham

Roll no-18BPD0686

Submitted to – Dr. Shammy Jindal

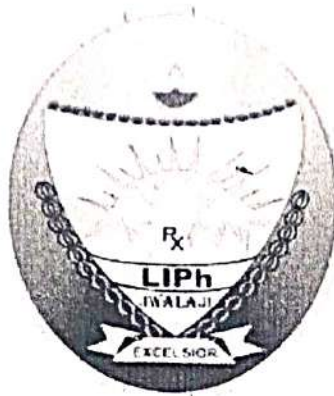
Associate professor

Pharmaceutics



**LAUREATE INSTITUTE OF PHARMACY, KATHOG
TEHSIL; DEHRA, DISTRICT . KANGRA (HP) – 177101**

CERIFICATE BY PRINCIPAL



It is to certify that the Project entitled "A REVIEW ON CROHNS DISEASE AND ITS CASE STUDY" is a bonafide project work carried out by Mr. Shubham (18BPD0686) under the guidance of Dr. Shammy Jindal in the B. pharmacy, for the award of bachelor of pharmacy from laureate institute of pharmacy, kathog.

DATE: 15-07-2022

PLACE: KATHOG

A handwritten signature in black ink, appearing to read 'M.S. Ashawat', is written over the printed name.

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. IAWALAMUKHI
DIST. KANGRA (H.P.)

Director cum Principal

Laureate Institute of pharmacy

Kathog, Dehra

Distt.- kangra (HP)

EMERGING THERAPY OF DIABETES MELLITUS: (OVERVIEW)

A Dissertation Submitted to
Himachal Pradesh Technical University,
Hamirpur



In the partial fulfilment for award of the Degree of

BACHELOR OF PHARMACY

2022

Submitted by

Mr. SHUBHAM BAGGA

ROLL NO. 18BPD0687

UNDER THE GUIDENCE OF

MR. SHIV KUMAR KUSHWAHA



LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101

CERTIFICATE BY PRINCIPAL



This is to certify that work presented in the project entitled "EMERGING THERAPY OF DIABETES MELLITUS" for the degree of bachelor of pharmacy has been carried out by SHUBHAM BAGGA(18BPD0687) himself under the supervision of MR.SHIV KUMAR KUSHWAHA, Prof of Pharmacology in laureate institute of pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

DATE: 14/07/2022

Prof. (Dr) M. S. Ashawat

Director cum Principal

Laureate Institute of Pharmacy
Kathog, Teh. Jawalamukhi,

Distt. Kangra, HP- 177101.

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)

PLACE: Kathog

Impact of Covid 19 on Human Health With Medical
Complication in Current Scenario Overview

A Dissertation Submitted to
Himachal Pradesh Technical University,
Hamirpur



In the partial fulfilment for award of the Degree of
BACHELOR OF PHARMACY

2022

Submitted by
MISS SHUBHANGI

ROLL NO. 18BPD0689

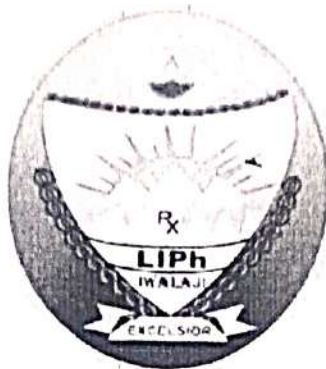
UNDER THE GUIDENCE OF

Mr. Shiv Kumar Kushwaha



LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (IIP)-177101

CERIFICATE BY PRINCIPAL



It is to certify that the dissertation entitled “*Impact Of Covid 19 On Women & Men*” is a bonafide project work carried out by Miss **Shubhangi (18BPD0689)** under the guidance of **Mr. Shiv Kumar Kushwaha** in the **B. Pharmacy**, for the award of **Bachelor of Pharmacy** from **Laureate Institute of Pharmacy, Kathog**.

DATE: 14/07/2022

PLACE: KATHOG


Dr. M.S. Ashawat

Principal

Laureate Institute of Pharmacy
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 177101.

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)

PROJECT REPORT

Impact of COVID-19 on human health with medical complication in current revenue overview.

A Dissertation submitted to Himachal Pradesh University, Shimla for the fulfillment the degree of

BACHELOR OF PHARMACY



Submitted by – Sonam

Roll no-18BPD0690

Submitted to – Mr. Shiv Kumar Kushawaha

Associate professor

Pharmacology



CERIFICATE BY PRINCIPAL



It is to certify that the dissertation entitled "Impact of COVID-19 on human with medical complication in current revenue overview" is a bonafide project work carried out by Mrs. Sonam (18BPD0690) under the guidance of Mr. Shiv Kumar kushawaha in the B. pharmacy, for the award of bachelor of pharmacy from laureate institute of pharmacy, kathog.

DATE 15/07/2022

PLACE KATHOG

Dr. M.S. Ashawat

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DIST. KANGRA (H.P.)

Director Cum Principal
Laureate institute of pharmacy

Kathog, Jwalaji

Distt. Kangra (HP)

EMERGING THERAPY OF DIABETES MELLITUS: (OVERVIEW)

A Dissertation Submitted to
Himachal Pradesh Technical University,
Hamirpur



In the partial fulfilment for award of the Degree of
BACHELOR OF PHARMACY

2022

Submitted by

Mr. SOURAV SANYAL

ROLL NO. 18BPD0691

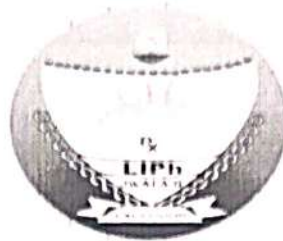
UNDER THE GUIDENCE OF

MR. SHIV KUMAR KUSHWAHA



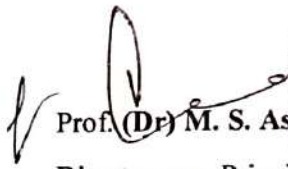
LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101

CERTIFICATE BY PRINCIPAL



This is to certify that work presented in the project entitled "EMERGING THERAPY OF DIABETES MELLITUS" for the degree of bachelor of pharmacy has been carried out by SOURAV SANYAL(18BPD0691) himself under the supervision of MR.SHIV KUMAR KUSHAWAHA, Prof of Pharmacology in laureate institute of pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

DATE: 14/07/2022


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG,
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)

Laureate Institute of Pharmacy
Kathog, Teh. Jawalamukhi,

Distt. Kangra, HP- 177101.

PLACE: Kathog

**RESEARCH ON DEVELOPMENT OF MEMORY ENHANCING SUPPLEMENT
POWDER**

**A DISSERTATION SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,
HAMIRPUR**



**IN THE PARTIAL FULFILMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY**

2022

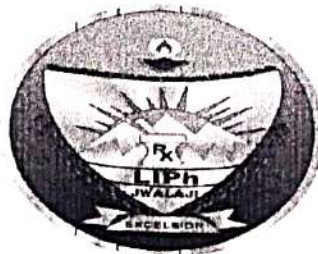
SUBMITTED BY

MISS SWETA CHOUDHARY

ROLL NO. 18BPD0693

UNDER THE GUIDENCE OF

DR. PRAVIN KUMAR



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101**


CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "Research on Memory Enhancing Supplement Powder" for the Degree of Bachelor of pharmacy has been carried out by **SWETA CHOUDHARY (18BPD0693)** himself under the supervision of **Dr. PRAVIN KUMAR**, Associate professor of Pharmaceutics in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date: 13-01-2022

Place: Kathog


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
JAWALAMUKHI
KANGRA (H.P.)
Laureate Institute of Pharmacy,
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 177101.

**RESEARCH ON DEVELOPMENT OF MEMORY ENHANCING SUPPLEMENT
POWDER**

**A DISSERTATION SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,
HAMIRPUR**



**IN THE PARTIAL FULFILMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY**

2022

SUBMITTED BY

MR. TALIN THAKUR

ROLL NO. 18BPD0694

UNDER THE GUIDENCE OF

DR. PRAVIN KUMAR



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101**


CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "**Research on Memory Enhancing Supplement Powder**" for the Degree of Bachelor of pharmacy has been carried out by **TALIN THAKUR (18BPD0694)** himself under the supervision of **Dr. PRAVIN KUMAR**, Associate professor of Pharmaceutics in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date:

Place:


Prof. (Dr.) M. S. Ashwari
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
LAUREATE INSTITUTE OF PHARMACY (KANGRA)
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 177101.

**RESEARCH ON DEVELOPMENT OF MEMORY ENHANCING SUPPLEMENT
POWDER**

**A DISSERTATION SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,
HAMIRPUR**



**IN THE PARTIAL FULFILMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY**

2022

SUBMITTED BY

MISS VISHAKHA

ROLL NO. 18BPD0696

UNDER THE GUIDENCE OF

DR. PRAVIN KUMAR



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101**

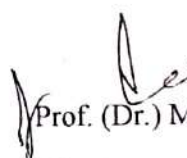
CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "**Research on Memory Enhancing Supplement Powder**" for the Degree of Bachelor of pharmacy has been carried out by **VISHAKHA (18BPD0696)** himself under the supervision of **Dr. PRAVIN KUMAR**, Associate professor of Pharmaceutics in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date: 14 July '22

Place: Kathog


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)
Director cum Principal
Laureate Institute of Pharmacy,
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 177101.

RESEARCH ON *development of memory enhancing supplement powder*

A Dissertation Submitted to
Himachal Pradesh Technical University,
Hamirpur



In the partial fulfilment for award of the Degree of

BACHELOR OF PHARMACY

2022

Submitted by

Mr. Vishal kumar

ROLL NO. 18BPD0698

UNDER THE GUIDENCE OF

Dr. PRAVIN KUMAR



LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101


CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "Research on Memory Enhancing Supplement Powder" for the Degree of Bachelor of pharmacy has been carried out by vishal kumar (18BPD0698) himself under the supervision of Dr. PRAVIN KUMAR, Associate professor of Pharmaceutics in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date:

Place:


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)
Director cum Principal
Laureate Institute of Pharmacy,
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 177101.

A
REVIEW
ON
FORMULATION AND EVALUATION OF THE
HERBAL HAND WASH

A Project Submitted to
Himachal Pradesh Technical University, Hamirpur



In the partial fulfillment of the requirement for the degree of

BACHELOR OF PHARMACY

By

Vishal Kumar Pathania

Roll No.18BPD0699

Under the guidance of

Mr. Akshay Thakur

Asst. Professor of Pharmaceutics



LAUREATE INSTITUTE OF PHARMACY KATHOG,

TEHSIL- JAWALAMUKHIDISTT-KANGRA, (HP) PIN – 177101



Laureate Institute of Pharmacy

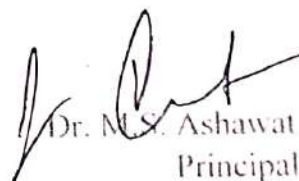
Recognized under section 2(f) of the UGC Act 1956
Approved by H.P. Govt. AICTE, PCI & Affiliated to H.P. Technical University

CERTIFICATE BY PRINCIPAL

This is to certify that the work contained in the Project entitled "Formulation and Evaluation of the herbal hand wash" submitted to partial fulfillment of the requirement for the degree of bachelor of pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the research work carried out by Mr. Vishal Kumar Pathania (Roll No. 18BPD0699) himself under the supervision and guidance of Mr. AKSHAY THAKUR in the department of Pharmaceutics, Laureate Institute of Pharmacy, Kathog Jawalamukhi (H.P). The work has not been submitted in part or full for the award of any other degree in any other university in my knowledge.

Date:

Place:



Dr. M.S. Ashawat
Principal

Laureate Institute of Pharmacy Kathog
Jawalamukhi

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH JAWALAMUKHI
DISTT. KANGRA (H.P)

A
REVIEW
ON
FORMULATION AND EVALUATION OF THE
HERBAL HAND WASH

A Project Submitted to
Himachal Pradesh Technical University, Hamirpur



In the partial fulfillment of the requirement for the degree of

BACHELOR OF PHARMACY

By

Vishal Rana

Roll No.18BPD0700

Under the guidance of

Mr. Akshay Thakur

Asst.Professor of Pharmaceutics



LAUREATE INSTITUTE OF PHARMACY KATHOG,

TEHSIL- JAWALAMUKHIDISTT-KANGRA, (HP) PIN – 177101



Laureate Institute of Pharmacy

Recognized under section 2(f) of the UGC Act 1956
Approved by H.P. Govt. AICTE, PCI & Affiliated to HP Technical University

CERTIFICATE BY PRINCIPAL

This is to certify that the work contained in the Project entitled "Formulation and Evaluation of the herbal hand wash" submitted to partial fulfillment of the requirement for the degree of bachelor of pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the research work carried out by Mr. Vishal Rana (Roll No. 18BPD0700) himself under the supervision and guidance of Mr. AKSHAY THAKUR in the department of Pharmaceutics, Laureate Institute of Pharmacy, Kathog Jawalamukhi (H.P). The work has not been submitted in part or full for the award of any other degree in any other university in my knowledge.

Date: 15-07-22

Place: Laureate Institute of Pharmacy Kathog

Dr. M.S. Ashawat
Principal
Laureate Institute of Pharmacy
Kathog Jawalamukhi
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)

Project Work

TANDEM MASS SPECTROMETRY AS ANALYTICAL TOOL FOR SEQUENCING OF PROTEINS AND PEPTIDES

A Project Submitted to

Himachal Pradesh Technical University, Hamirpur



In the partial fulfilment for award of the Degree of

BACHELOR OF PHARMACY

2022

Submitted by

Name of Student: Amit Dhiman

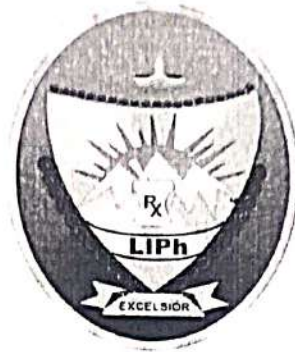
Roll No.: 1931142001

Supervisor- Dr. AMARDEEP ANKALGI

LAUREATE INSTITUTE OF PHARMACY, KATHOG,

TEHSIL - JAWALAMUKHI, DISTT. -KANGRA (HP)-176031

CERTIFICATE BY PRINCIPAL

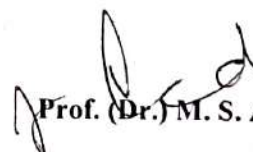


It is to certify that the work contained in this dissertation entitled "TANDEM MASS SPECTROMETRY AS ANALYTICAL TOOL FOR SEQUENCING OF PROTEINS AND PEPTIDES" submitted to partial fulfillment of the requirement for the Degree of Bachelor of Pharmacy to Himachal Pradesh Technical University, Hamirpur, embodies the work carried out by Amit Dhiman (1931142001) under the supervision of Dr. Amar Deep Ankalgi, Prof. & Head, Department of PA &QA., Laureate Institute of Pharmacy Kathog.

The work is original and has not been submitted for any degree/diploma in this or any other university.

Date: 15/07/22

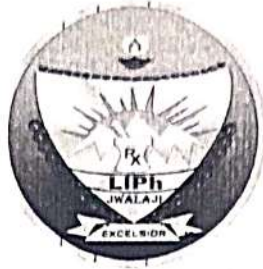
Place: Kathog (H.P)


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
JAWALAMUKHI
DISTT. KANGRA (H.P)

Director cum Principal

Laureate Institute of Pharmacy,
Kathog, The. Jawalamukhi,
Distt. Kangra, HP- 176301

CERTIFICATE BY PRINCIPAL

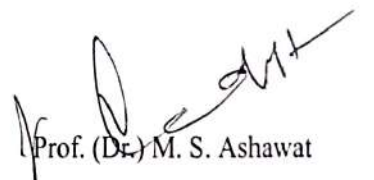


This is to certify that the work presented in the project entitled "OVERVIEW OF CAPILLARY ELECTROPHORESIS AND MASS SPECTROMETRY HYPHENATION" for the Degree of Bachelor of pharmacy has been carried out by DEEKSHA RANI (1931142002) under the supervision of Dr. AMARDEEP ANKALGI, Prof. & Head, Department of PA &QA, Laureate Institute of Pharmacy.

The work is original and has not been submitted for any degree/diploma in this or any other university

Date: 15/1/22

Place: (Kathog (HP))


Prof. (Dr.) M. S. Ashawat
Director cum Principal
Laureate Institute of Pharmacy,
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 176031.

PROJECT WORK
on
Overview of Capillary electrophoresis and Mass spectrometry hyphenation

A project Submitted to
Himachal Pradesh Technical University,
Hamirpur



In the partial fulfilment for award of the Degree of

BACHELOR OF PHARMACY

2022

Submitted by

Miss. Deeksha Rani

ROLL NO. 1931142002

UNDER THE GUIDANCE OF

Dr. Amar Deep Ankalgi

LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101

PROJECT WORK
on
medicinal value of cordyceps sinensis, yarsagumba

A project Submitted to
Himachal Pradesh Technical University,
Hamirpur



In the partial fulfilment for award of the Degree of
BACHELOR OF PHARMACY

2022

Submitted by
Miss. priyanka lagwal

ROLL NO. 1931142004

UNDER THE GUIDENCE OF

Dr. Amar deep ankalgi

LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-177101


CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "MEDICINAL VALUE OF CORDYCEPS SINENSIS, YARSAGUMBA" for the Degree of Bachelor of pharmacy has been carried out by **PRIYANKA LAGWAL (1931142004)** under the supervision of **Dr. AMARDEEP ANKALGI**, Prof. & Head, Department of PA &QA, Laureate Institute of Pharmacy. The work is original and has not been submitted for any degree/diploma in this or any other university.

Date: 14-07/22

Place: Kathog (H.P.)


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
Prof. (Dr.) M. B. SHARMA
DISTT. KANGRA (H.P.)

Director cum Principal

Laureate Institute of Pharmacy,

Kathog, Teh. Jawalamukhi,

Distt. Kangra, HP- 176031.

PHARMACOGNOSTIC STUDY OF TULSI, A MEDICINAL PLANT ABDUNTLY FOUND IN KANGRA REGION

A Project Submitted to Himachal Pradesh Technical University,

HAMIRPUR



In the partial fulfilment of requirement for the degree of

BACHELOR OF PHARMACY

BY

Sanyogita - B. Pharmacy

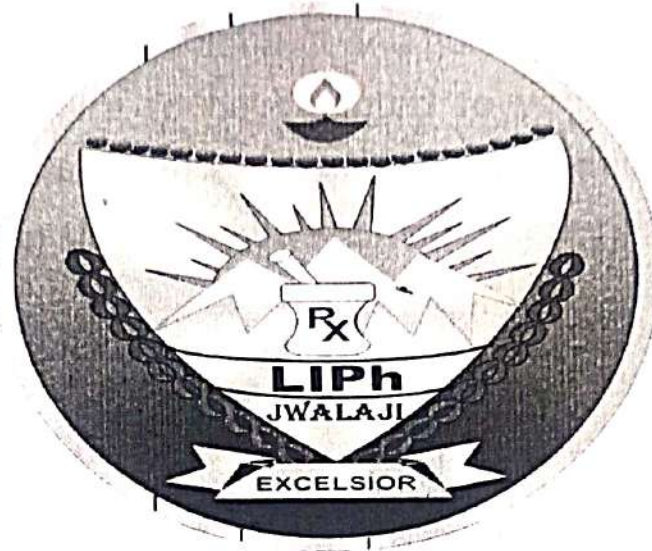
Roll No. 1931142005

Under the guidance

Dr. C.P.S. Verma

Professor and HOD Pharmacognosy

CERTIFICATE BY HEAD OF INSTITUTION



It is certified that the project entitled "REVIEW ON PHARMACOGNOSTIC STUDY OF TULSI, A MEDICINAL PLANTS ABUNDANTLY FOUND IN KANGRA REGION" is a bonafide and genuine work carried out by Sanyogita (Roll No. 1931142005) under the guidance of Dr.C.P. S Verma, Professor and HOD of PHARMACOGNOSY. The work is original and has not been submitted for any degree/ diploma of this or any university

Date:

Place:


Signature of Principal

Dr. M.S Aashawat

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
Principal PHARMACY KATHOG
TEH. JAWALAMUKHI
DISTT KANGRA (H.P)

Laureate Institute of Pharmacy

Kathog, tehsil – Dehra Distt- kangra (HP)

A REVIEW ON MEDICINAL PLANTS IN KANGRA REGION

A DISSERTATION SUBMITTED TO
HIMACHAL PRADESH TECHNICAL UNIVERSITY,
HAMIRPUR



IN THE PARTIAL FULFILMENT FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY

2022

SUBMITTED BY

MR. VISHAL

ROLL NO. 1931142006

UNDER THE GUIDENCE OF

DR. C.P.S. VERMA

PROFESSOR AND HOD PHARMACOBNOSY



LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. -/KANGRA (HP)-177101

CERTIFICATE BY PRINCIPAL



This is to certify that the work presented in the project entitled "A Review on Medicinal plants in Kangra Region" for the Degree of Bachelor of pharmacy has been carried out by **VISHAL (1931142006)** himself under the supervision of **Dr. C.P.S. Verma** Assistant professor of Pharmacognosy in Laureate Institute of Pharmacy. The work has not been submitted in parts or full to any other university in my knowledge.

Date: 15-07-2022

Place: Kathog

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DIST. KANGRA (H.P.)
Prof. (Dr.) M. Ashwani
Director cum Principal

Laureate Institute of Pharmacy,
Kathog, Teh. Jawalamukhi,
Distt. Kangra, HP- 177101.



Laureate Institute of Pharmacy

(Approved by PCI & AICTE, New Delhi and H.P. Govt.)

Affiliated to H.P.U., Dehra Dun

Kathog, Tehsil Dehra, Distt. Kangra (H.P.)-177 101

Telefax : 01070-223000
Ph. : 92184-28040, 92184-05087

Ref. No. _____

Date _____

List of Projects M. Pharm. Batch (2020-2022)

Sr. No.	Roll No.	Name	Project Name
1.	20013117001	Ajay Malhotra	Formulation and Evaluation of Transfersomes of Rutin for Dermatological Delivery
2.	20013117002	Aman Kumar	Formulation and Evaluation of Fast Dissolving Tablet of Linezolid
3.	20013117003	Anshul Sharma	Formulation and Characterization of Nanocarrier Hydrogel of Methotrexate for the Management of Psoriasis
4.	20013117004	Anshul Sharma	Formulation and Evaluation of Ethosomal Hydrogel of Herbal Drug in the Management of Psoriasis
5.	20013117005	Damini Gautam	Formulation and Evaluation of Topical Gel containing loaded Ufasomes for the Treatment of Psoriasis
6.	20013117006	Kajal	Formulation and Evaluation of Niosomal loaded Transdermal Patches for the Treatment of Psoriasis
7.	20013117007	Keshav Dhiman	Formulation and Evaluation of Liposomal Hydrogel of Berberine for the Treatment of Osteoarthritis
8.	20013117008	Kiran	Formulation and Evaluation of Cream containing Solid Lipid Nanoparticles for the Treatment of Herpes Simplex Virus
9.	20013117009	Meenaxi	Formulation and Evaluation of Sublingual Tablets containing Vildagliptin for the Treatment of Diabetes - Type II
10.	20013117010	Rajesh Gautam	Formulation and Evaluation of Topical Cream containing Valacyclovir Loaded Ufasomes for the Treatment of Herpes Simplex Virus
11.	20013117011	Sahil Sharma	Formulation and Evaluation of Ethosomes of Silymarin for Dermal Delivery
12.	20013117012	Shalini	Formulation and Evaluation of Gastroretentive Microsphere for the Treatment of Stomach Cancer
13.	20013117013	Sweta	Formulation and Characterization of Hydrogel Loaded with Silver Nanoparticles of Ibuprofen for the Effective Management of Rheumatoid Arthritis
14.	20013118001	Aman Guleria	Phytochemical Screening and Chromatographic Profiling of Different Extracts of <i>Cuscuta Reflexa</i> Roxb Plant
15.	20013118002	Ankita	Method Development and Validation for the Simultaneous Estimation of Azilsartan Medoxomil and Sitagliptin Phosphate Monohydrate in Bulk
16.	20013118004	Manisha	Method Development and Validation for the Simultaneous Estimation of Azilsartan Medoxomil and Atenolol in Bulk Drug by using UV-Visible Spectrophotometer and RP-HPLC
17.	20013118005	Nikhil	Method development and validation for simultaneous estimation of ivabradine HCL and Atenolol in Bulk Drug by UV- Spectrophotometer and RP-HPLC
18.	20013118006	Rajat	Analytical Method Development and Validation for the Simultaneous Estimation of Emtricitabine and Efavirenz in Bulk Drug by using UV-Visible Spectrophotometer and RP-HPLC
19.	20013118007	Shivani Chaudhary	Drug by using UV-Visible Spectrophotometer and RP-HPLC Analytical Method Development of Novel Synthesized Pyrazoline using UV- Visible Spectroscopy and RP-HPLC

DIRECTOR/PRINCIPAL
LAUREATE INSTITUTE OF PHARMACY, KATHOG
TEH. JAMALAMUKHI,
DISTT. KANGRA (H.P.)

**FORMULATION AND EVALUATION OF
TRANSFEROSOMES OF RUTIN FOR
DERMATOLOGICAL DELIVERY**

*A Dissertation Submitted to Himachal Pradesh Technical University, Hamirpur
in the partial fulfilment of the requirements for the degree of*



**MASTER OF PHARMACY
IN
PHARMACEUTICS**

**Submitted by
Ajay Malhotra
Enrolment No. 20013117001
(2020-2022)**

Under the supervision of
**SUPERVISOR
Dr. Pravin Kumar
Associate Professor &
Head of Department of Pharmaceutics**



**Laureate Institute of Pharmacy, Kathog.
Tehsil. Jawalamukhi, Distt. Kangra (H.P) 176031**

CERTIFICATE BY THE PRINCIPAL



This is to certify that the Synopsis entitled “**FORMULATION AND EVALUATION OF TRANSFEROSOMES OF RUTIN FOR DERMATOLOGICAL DELIVERY**” is a bonafide and genuine research work done by **Mr. Ajay Malhotra**, under the guidance of **Dr. Pravin Kumar**, Associate Professor, Head of Department **Pharmaceutics, Laureate Institute of Pharmacy, Kathog.**

Date: 26-09-2022

Place: Kathog

Signature

Prof. (Dr.) M. S. Ashawat
Director cum Principal,
Laureate Institute of
Pharmacy, Kathog,

Jawalamukhi, HP
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DIST. T. KANGRA (H.P.)

**FORMULATION AND EVALUATION OF FAST DISSOLVING
TABLET OF LINEZOLID**

*A Dissertation Submitted to Himachal Pradesh Technical University, Hamirpur
in the partial fulfillment of the requirements for the degree of*



**MASTER OF PHARMACY
IN
PHARMACEUTICS**

Submitted by

Aman Kumar

Enrollment No. 20013117002

(2020-2022)

Under the supervision of

SUPERVISOR

Mr. Tarun Kumar Sharma

Assistant Professor

(Department of Pharmaceutics)

CO-SUPERVISOR

Mrs. Archana Chaudhary

Assistant Professor

(Department of Pharmaceutics)



**Laureate Institute of Pharmacy, Kathog.
Tehsil. Jawalamukhi, Distt. Kangra (H.P) 176031**

CERTIFICATE BY THE PRINCIPAL



is to certify that the Synopsis entitled "FORMULATION AND EVALUATION OF DISSOLVING TABLET OF LINEZOLID" is a bonafide and genuine research done by **Mr. Aman Kumar**, under the guidance of **Mr. Tarun Kumar Sharma**, Assistant Professor, Department of Pharmaceutics, Laureate Institute of Pharmacy, Kathog, J. P.

:: 26-09-2022
at: Kathog

Signature

M. S. Ashawat
Prof. (Dr.) M. S. Ashawat
Director cum Principal,
Laureate Institute of
Pharmacy, Kathog,

Jawalamukhi, HP
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DIST. KANGRA (H.P.)

**FORMULATION AND CHARACTERIZATION OF
NANOCARRIER HYDROGEL OF METHOTREXATE FOR
THE MANAGEMENT OF PSORIASIS**

*A Dissertation Submitted to Himachal Pradesh Technical University, Hamirpur
in the partial fulfillment of the requirement for the degree of*



**MASTER OF PHARMACY
IN
PHARMACEUTICS**

Submitted by:

Mr. Anshul Sharma

Enrollment No.: 20013117003

Session: 2020-2022

Under the Supervision of

Dr. Shammy Jindal

Associate Professor in Laureate Institute of Pharmacy, Kathog



Department of Pharmaceutics

Laureate Institute of Pharmacy, Kathog

Tehsil -Jawalamukhi, Distt. Kangra, Himachal Pradesh -176031

ENDORSEMENT BY PRINCIPAL/ HEAD OF INSTITUTE



It is to certify that the dissertation entitled "Formulation and Characterization of Nanocarrier Hydrogel of Methotrexate for the Management of Psoriasis" is a bonafide research work done by Mr. Anshul Sharma under the guidance of Dr. Shammy Jindal (Associate Professor, Department of pharmaceutics, Laureate Institute of Pharmacy, Kathog).

Date: 26/08/2022

Place: Kathog

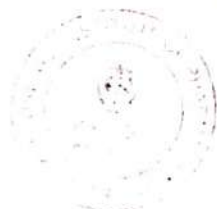
Signature

Prof. (Dr.) M. S. Shawat

Director Cum Principal

Laureate Institute of Pharmacy,

Kathog, Jwalamukhi H.P.



**FORMULATION AND EVALUATION OF ETHOSOMAL
HYDROGEL OF HERBAL DRUG IN THE
MANAGEMENT OF PSORIASIS**

*A Dissertation Submitted to Himachal Pradesh Technical University, Hamirpur,
in the partial fulfillment of the requirements for the degree of*



**MASTER OF PHARMACY
IN
PHARMACEUTICS**

Submitted By
Mr. Anshul Sharma
Enrollment No.: 20013117004

Session: 2020-2022

Under the supervision of
Dr. Shammy Jindal
Associate Professor in Laureate Institute of Pharmacy, Kathog



**Department of Pharmaceutics
Laureate Institute of Pharmacy, Kathog
Tehsil -Jawalamukhi, Distt. Kangra, Himachal Pradesh -176031**

CERTIFICATE BY THE PRINCIPAL



This is to certify that the Dissertation entitled **Formulation and Evaluation of Ethosomal hydrogel of the herbal drug in the management of psoriasis** is a bonafide research work done by **Mr. Anshul Sharma** under the guidance of **Dr. Shammy** (Associate Professor, Department of Pharmaceutics, Laureate Institute of Pharmacy, Kathog).

Date: 10/09/2022

Place: Kathog



**Signature of the Principal
Prof. (Dr.) M.S. Ashawat
(Director cum Principal)**

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. PAWALAMUKHI
DIST. KANGRA (H.P.)

**FORMULATION AND EVALUATION OF TOPICAL GEL
CONTAINING LOADED UFASOMES FOR THE TREATMENT OF
PSORIASIS**

**A Dissertation Submitted to
Himachal Pradesh Technical University, Hamirpur (H.P)**



**In the partial fulfillment of the Requirement
For the Degree of**

**MASTER OF PHARMACY
IN
PHARMACEUTICS**

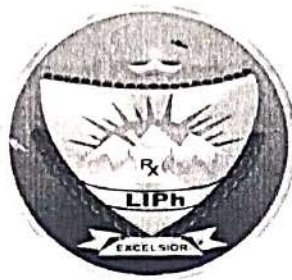
**Submitted by
DAMINI GAUTAM
Enrollment No. 20013117005
Session: 2020-2022**

**Under the supervision of
Supervisor
Prof. (Dr.) VINAY PANDIT
Department of Pharmaceutics**



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL- JAWALAMUKHI, DISTT.-KANGRA (HP)-176031**

ENDORSEMENT BY THE PRINCIPAL




Title: I certify that the dissertation entitled “**Formulation and Evaluation of Topical Gel Containing
Ingredients for the Treatment of Psoriasis**” is a bonafide research work done by Ms. Damini
Author: the guidance of **Dr. Vinay Pandit, Professor & Head of Department Pharmaceutics**

Seal & signature of

Date: /2022

Place: 8


Prof. (Dr.) M. S. Ashawat
Director cum Principal,
Laureate Institute of Pharmacy,
Kathog (Jawalamukhi).
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DIST. KANGRA (H.P)



**FORMULATION AND EVALUATION OF NIOSOMAL
LOADED TRANSDERMAL PATCHES FOR THE
TREATMENT OF OSTEOARTHRITIS**

*A Dissertation submitted to Himachal Pradesh Technical University, Hamirpur
in the partial fulfillment of the requirements for the degree of*



**MASTER OF PHARMACY
IN
PHARMACEUTICS**

Submitted By

Kajal

Enrollment No.: 20013117006

Session: 2020-2022

Under the supervision of

Mr. Dev Raj Sharma

Assistant Professor in Laureate Institute of Pharmacy, Kathog




**Department of Pharmaceutics
Laureate Institute of Pharmacy, Kathog
Tehsil -Jawalamukhi, Distt. Kangra, Himachal Pradesh -176031**

ENDORSEMENT BY THE PRINCIPAL



This is to certify that the Dissertation entitled 'Formulation and Evaluation of Niosomal Loaded Transdermal Patches for the Treatment of Osteoarthritis' is a bonafide research work done by **Ms. Kajal** under the guidance of **Mr. Dev Raj Sharma** (Assistant Professor).

Date: 10/09/2022
Place: Kathog


Signature of the Principal
Prof. (Dr.) M.S. Ashawat
(Director cum Principal)

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DIST. KANGRA (H.P.)

**FORMULATION AND EVALUATION OF LIPOSOMAL
HYDROGEL OF BERBERINE FOR THE
MANAGEMENT OF PSORIASIS**

A dissertation submitted to Himachal Pradesh Technical University,
Hamirpur in the partial Fulfillment of the Requirement for the degree of



**MASTERS OF PHARMACY
IN
PHARMACEUTICS**

Submitted by:

KESHAV DHIMAN

Roll no: 20013117007

(2020 – 2022)

Under the Supervision of
Dr. Shammy Jindal

Associate professor, Department of Pharmaceutics



Laureate Institute of Pharmacy Kathog, Tehsil. Jwalamukhi, Distt. Kangra
Himachal Pradesh-176031


CERTIFICATE BY PRINCIPAL



It is to certify that the dissertation entitled "Formulation and Evaluation of Liposomal Hydrogel of Berberine for the Management of Psoriasis" is genuine work carried out by Mr. Keshav Dhiman under the supervision of Dr. Shammy Jindal (Associate Professor, Department of pharmaceuticals, Laureate Institute of Pharmacy, Kathog).

The work is original and has not been submitted for any degree/diploma of this or any other university.

Date: 26/08/2022
Place: Kathog


Signature
Prof. (Dr.) M. S. Asha Kanga (H.P.)
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
Distt. Kangra (H.P.)
Director cum Principal
Laureate Institute of Pharmacy,
Kathog, Jwalamukhi H.P.



**FORMULATION AND EVALUATION OF CREAM
CONTAINING SOLID LIPID NANOPARTICLES FOR THE
TREATMENT OF HERPES SIMPLEX VIRUS**

*A Dissertation Submitted to Himachal Pradesh Technical University, Hamirpur
in the partial fulfillment of the requirement for the degree of*



**MASTERS OF PHARMACY
IN
PHARMACEUTICS**

Submitted By:

KIRAN BALA

Enrollment No: 20013117008

Session: 2020-2022

Under the supervision of

Supervisor

Prof. (Dr.) M.S. Ashawat
M. Pharm, PhD, Pharmaceutics
Director cum Principal

Co-Supervisor

Prof. (Dr.) CPS Verma
M. Pharm, PhD, Pharmacognosy
Head of Pharmacognosy



**Laureate Institute of Pharmacy, Kathog.
Tehsil. Jawalamukhi, Distt. Kangra (H.P) 176031**

**FORMULATION AND EVALUATION OF SUBLINGUAL TABLET
CONTAINING VILDAGLIPTIN FOR THE TREATMENT OF
DIABETES-TYPE-II**

*A Dissertation Submitted to Himachal Pradesh Technical University, Hamirpur
in the partial fulfillment of the requirement for the degree of*



**MASTER OF PHARMACY
IN
PHARMACEUTICS**

Submitted by

MEENAKSHI VERMA

Enrollment No: 20013117009

Session: 2020-2022

Under the Guidance of:

Prof.(Dr.) M.S ASHAWAT

**M. Pharm., Ph.D.
Director cum Principal,**



**Laureate Institute of Pharmacy, Kathog.
Tehsil. Jawalamukhi, Distt. Kangra (H.P) 176031**

CERTIFICATE BY THE GUIDE



It is to certify that the dissertation entitled "Formulation and Evaluation of sublingual tablet containing Vildagliptin for Type- II Diabetes" submitted by Miss. Meenakshi Verma of M. Pharmacy (Pharmaceutics), Laureate Institute of Pharmacy, Kathog, under my supervision and guidance. The work is original and has not been submitted.

Date : 22-Sep-2022.

Place : Kathog.

Signature

Dr. M.S. Ashawat

Professor and Director Cum Principal

**FORMULATION AND EVALUATION OF TOPICAL CREAM
CONTAINING VALACYCLOVIR LOADED UFASOMES FOR THE
TREATMENT OF HERPES SIMPLEX VIRUS**

A Dissertation Submitted to **Himachal Pradesh Technical University, Hamirpur**
In the partial fulfillment for award of the Degree



**MASTER OF PHARMACY
IN
PHARMACEUTICS**

Submitted By

“Mr. Rajesh Gautam”

20013117010

Session: 2020-2022

UNDER THE SUPERVISION OF

“Dr. Vinay Pandit”

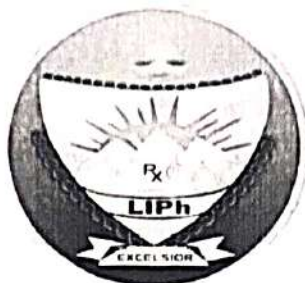
“Professor and Head”



“Department of Pharmaceutics”

**LAUREATE INSTITUTE OF PHARMACY, KATHOG
TEHSIL - JAWALAMUKHI, DISTT.-KANGRA (HP) 176031**

ENDORSEMENT BY THE PRINCIPAL



This is to certify that the Dissertation entitled “**Formulation and Evaluation of Topical cream containing Valacyclovir loaded Ufasomes for the treatment of Herpes Simplex Virus**” is a bonafide research work done by **Mr. Rajesh Gautam** under the guidance of **Dr. Vinay Pandit (Professor and Head, Department of Pharmaceutics)**.

Date: 16/08/2022

Place: Kathog

Seal & Signature of the Principal

Prof. (Dr.) M.S. Ashawat

Director cum Principal
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DIST. KANGRA (H.P.)

**FORMULATION AND CHARACTERIZATION OF
HYDROGEL LOADED WITH SILVER NANOPARTICLES OF
IBUPROFEN FOR THE EFFECTIVE MANAGEMENT OF
RHEUMATOID ARTHRITIS**

*A Dissertation Submitted to Himachal Pradesh Technical University, Hamirpur
in the partial fulfillment of the requirements for the degree of*



MASTER OF PHARMACY

IN

PHARMACEUTICS

Submitted By

Sweta

Enrollment No. 20013117013

(2020-2022)

Under the supervision of

Supervisor

Mrs. Archana Chaudhary

Assistant Professor

(Department of Pharmaceutics)

Co-Supervisor

Mr. Tarun Kumar Sharma

Assistant Professor

(Department of Pharmaceutics)

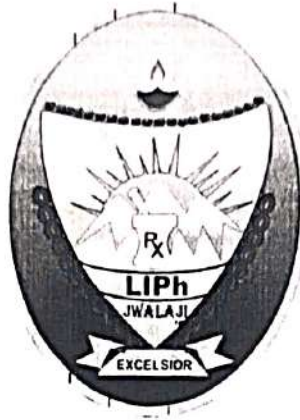


Department of Pharmaceutics

Laureate Institute of Pharmacy, Kathog Tehsil-Jawalamukhi, Distt. - Kangra

(H.P)- 176031

CERTIFICATE BY THE PRINCIPAL



This is to certify that the Synopsis entitled **“Formulation and Characterization of Hydrogel Loaded with Silver Nanoparticles of Ibuprofen for the Effective Management of Rheumatoid Arthritis”** is a bonafide research work done by Miss. Sweta under the guidance of Mrs. Archana Chaudhary, Assistant Professor, Department of Pharmaceutics, Laureate Institute of Pharmacy, Kathog.

Date: 12/09/2022

Place: Kathog

Signature

Prof. (Dr.) M. S. Ashawat
Director cum Principal,
Laureate Institute of Pharmacy,
Kathog, Jawalamukhi, HP
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DIST. KANGRA (H.P.)

**FORMULATION AND EVALUATION OF GASTRORETENTIVE
MICROSPHERES FOR THE TREATMENT OF STOMACH
CANCER**

*A Dissertation Submitted to Himachal Pradesh Technical University, Hamirpur
in the partial fulfillment of the requirement for the degree of*



**MASTERS OF PHARMACY
IN
PHARMACEUTICS**

Submitted By:

SHALINI DOGRA

Enrollment No: 20013117012

Session: 2020-2022

Under the supervision of

Supervisor

Prof. (Dr.) M.S. Ashawat
M. Pharm, PhD, Pharmaceutics
Director cum Principal

Co-Supervisor

Prof. (Dr.) CPS Verma
M. Pharm, PhD, Pharmacognosy
Head of Pharmacognosy



**Laureate Institute of Pharmacy, Kathog.
Tehsil. Jawalamukhi, Distt. Kangra (H.P) 176031**

CERTIFICATE BY THE GUIDE



This is to certify that the dissertation entitled "Formulation and Evaluation of Sustained Release Microspheres for the Treatment of Stomach Cancer" is a bonafide research work by Ms. Shalini Dogra in the partial fulfillment of the requirement for the degree of Masters of pharmacy in Pharmaceutics.

22/09/2022
Kathog

Signature of the Guide

Prof. (Dr.) M. S. Ashawat

Laureate Institute of Pharmacy

Kathog, Teh. Jawalamukhi

Dist. Kangra, (HP), 176031

**PHYTOCHEMICAL SCREENING AND CHROMATOGRAPHIC
PROFILING OF DIFFERENT EXTRACTS OF
CUSCUTA REFLEXA ROXB PLANT**

*A Dissertation Submitted to Himachal Pradesh Technical University, Hamirpur
in the partial fulfillment of the requirement for the degree of*



**MASTER OF PHARMACY
IN
PHARMACEUTICAL ANALYSIS AND QUALITY ASSURANCE**

Submitted by:
AMAN GULERIA
Enrollment No: 20013118001

Session: 2020-2022

Under the Supervision of

SUPERVISOR
Ms. Upasana Thakur
Assistant Professor
Pharmaceutical Analysis &
Quality Assurance

CO-SUPERVISOR
Ms. Arti Devi
Assistant Professor
Pharmaceutical Analysis &
Quality Assurance



Laureate Institute of Pharmacy, Kathog.
Tehsil. Jawalamukhi, Distt. Kangra (H.P) 176031

ENDORSEMENT BY THE PRINCIPAL



It is to certify that the dissertation entitled, "Phytochemical Screening and Chromatographic Profiling of different extracts of the *Cuscuta reflexa* Roxb. plant" is bonafide research work done by Aman Guleria under the Supervision of Vasana Thakur, Assistant Professor and Co-supervision of Arti Devi, Assistant Professor, Pharmaceutical Analysis & Quality Assurance, Laureate Institute of Pharmacy, Kathog.

Date:

Place:

Seal & Signature of Principal

Director-cum Principal

Prof.(Dr.) M.S.Ashawat

Laureate Institute of Pharmacy,

Kathog, Jawalamukhi (176027)

**FORMULATION AND EVALUATION OF ETHOSOMES OF
SILYMARIN FOR DERMAL DELIVERY**

A Dissertation Submitted to



In the partial fulfillment for the award of the Degree of

**MASTER OF PHARMACY
IN
PHARMACEUTICS**

Submitted By:

Suhil Sharma

Roll No: 20013117011

Session: 2020-2022

Under the supervision of

Dr. PRAVIN KUMAR

Ph.D. M.Pharm.

Associate Professor, H.O.D



Department of Pharmaceutics

Laureate Institute of Pharmacy, Kathog,

Tehsil Jawalamukhi, District Kangra (H.P.) 176031

ENDORSEMENT BY THE PRINCIPAL



This is to clarify that the dissertation entitled "Formulation and Evaluation of Galbanin of Silymarin for Dermal Delivery" that is being submitted by Mr. Sahil Sharma (Roll no. 120013117012) under the guidance of Dr. Pravin Kumar, Associate Professor, I.C.D. Department of Pharmaceutics to the Himachal Pradesh Technical University, Haridwar is record of bonafide work carried out by him at our institute.

Date: 12 Sep 2022

Place: Kathog

Dr. M.S. Asbawal

DIRECTOR
LAUREATE INSTITUTE
Department of Pharmacy
Teh. Jwala
Kathog, Jwala, Hamirpur
Distt. Kangra (I.P.) 176011



**METHOD DEVELOPMENT AND VALIDATION FOR
SIMULTANEOUS ESTIMATION OF AZILSARTAN MEDOXOMIL
AND SITAGLIPTIN PHOSPHATE MONOYDRATE IN BULK DRUG
BY USING**

UV- VISIBLE SPECTROPHOTOMETER & RP-HPLC

A Dissertation Submitted to Himachal Pradesh Technical University, Hamirpur

In the partial fulfillment of the requirements for the degree of



MASTER OF PHARMACY

IN

PHARMACEUTICAL ANALYSIS & QUALITY ASSURANCE

Submitted By

ANKITA

Enrollment No. 20013118002

Session: 2020-2022

Under the supervision of

supervisor

Prof. (Dr.) Amar Deep Ankalgi

Head of Department

**Pharmaceutical Analysis & Quality
Assurance**

co-supervisor

Mrs. Kamya Jindal

Associate Prof.

**Pharmaceutical Analysis & Quality
Assurance**



**Department Of Pharmaceutical Analysis & Quality Assurance
LAUREATE INSTITUTE OF PHARMACY, KATHOG TEHSIL -
JAWALAMUKHI, DISTT.-KANGRA (HP)-176031**

CERTIFICATE BY PRINCIPAL




It is to certify that the Dissertation entitled "Method development and validation for simultaneous estimation of Azilsartan medoxomil and sitagliptin Phosphate monohydrate in bulk drug by using UV-Visible spectrophotometer & RP-HPLC" is genuine work carried out by Ms. Ankita (Enrollment No.20013118002) under the supervision of Dr. Amar Deep Ankalgi, Professor & Head, Department of Pharmaceutical Analysis & Quality Assurance and co-supervision of Ms. Kamyra Jindal, Asst. Professor, Department of Pharmaceutical Analysis & Quality Assurance. The work is original and has not been submitted for any degree/diploma in this or any other university.

I recommend the submission of Dissertation to the University for further evaluation

Date: 31 July 2022

Place: Kathog


Signature of Principal

Prof. (Dr.) M. S. Ashawat

Director cum Principal,

Laureate Institute of Pharmacy,
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TETA, JAWALAMUKHI
DISTRICT, KANGRA (H.P.)

**Method development and validation for simultaneous estimation of
Azilsartan Medoxomil and Atenolol in bulk drug by using UV-Visible
spectrophotometer & RP-HPLC**

**A Dissertation Submitted to
Himachal Pradesh Technical University, Hamirpur**



**In the partial fulfilment for award of the Degree
MASTER OF PHARMACY
IN
PHARMACEUTICAL ANALYSIS & QUALITY ASSURANCE**

Submitted by

MANISHA

Roll No. 20013118004

Session: 2021- 2022

Supervisor

**Prof. (Dr.) C.P.S. Verma
Head of Department
Department of Pharmacognosy**

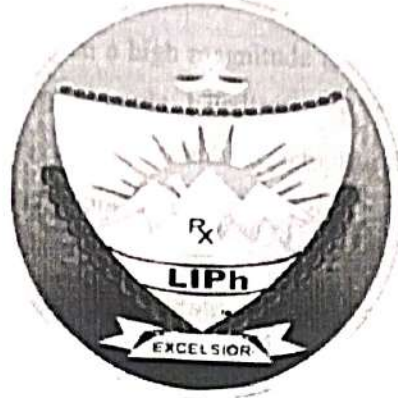
Co-Supervisor

**Mrs. Pooja Kaushal
Assistant Professor
Department of Pharmaceutical
Analysis & Quality Assurance**



**LAUREATE INSTITUTE OF PHARMACY, KATHOG, TEHSIL- JAWALAMUKHI,
DISTT. KANGRA (HP)-176031**

CERTIFICATE BY PRINCIPAL



It is to certify that the project entitled “Method development and validation for simultaneous estimation of Azilsartan Medoxomil and Atenolol in bulk drug by using UV-Visible spectrophotometer & RP-HPLC” is genuine work carried out by Ms. Manisha (Roll No.20013118004) under the supervision of Dr. C.P.S Verma, Professor & HOD, Department of Pharmacognosy and co-supervision of Mrs Pooja Kaushal, Asst. Professor, Department of Pharmaceutical Analysis & Quality Assurance. The work is original and has not been submitted for any degree/diploma in this or any other university.

I recommend the submission of dissertation to the University for further evaluation.

Date: 05-Sept.-2022

Place: Kathog.

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DIST. SANGRA (H.P.)

Signature of Principal

Prof. (Dr.) M.S. Ashawat Director
cum Principal

Laureate Institute of Pharmacy,
Kathog, Jawalamukhi (176031)

**Analytical Method Development and Validation for the Simultaneous
Estimation of Emtricitabine and Efavirenz in Bulk Drug by using
UV-Visible Spectrophotometer and RP-HPLC**

**A Dissertation Submitted to
Himachal Pradesh Technical University, Hamirpur**



In the partial fulfillment for award of the Degree

Master of Pharmacy

In

Pharmaceutical Analysis and Quality Assurance

Submitted by

Rajat

Roll No. 20013118006

Session: 2021-2022

Supervisor

**Dr. Amar Deep Ankalgi
Professor & Head
Pharmaceutical Analysis &
Quality Assurance**

Co-Supervisor

**Mrs. Pooja Kaushal
Assistant Prof.
Pharmaceutical Analysis &
Quality Assurance**



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL - JAWALAMUKHI, DISTT. - KANGRA (HP)-176031**

CERTIFICATE BY PRINCIPAL



is to certify that the dissertation entitled "Analytical Method Development and Validation for the Simultaneous Estimation of Emtricitabine and Efavirenz in bulk by using UV-Visible Spectrophotometer and RP-HPLC" is genuine work carried out by Mr. Rajat (Roll No.20013118006) under supervision of Dr. Amar Deep Ankalgi Professor and HOD., Department of Pharmaceutical Analysis and Quality Assurance and co-supervision of Mrs. Pooja Kaushal, Assistant Prof., Department of Pharmaceutical Analysis and Quality Assurance. This research work is original and has not been submitted for any degree/ diploma in this or any other university.

Date: 06-Sept.-2022

Place: Kathog


Signature of Principal

Prof. (Dr.) M. S. Ashawat
Director cum Principal
Laureate Institute of Pharmacy,
Kathog, Jawalamukhi (176031)
Kathog (Jawalamukhi).

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DIST. KANGRA (H.P.)

**Analytical Method Development of Novel Synthesized Pyrazoline
using UV-Visible Spectroscopy and RP-HPLC**

**A Dissertation Submitted to
Himachal Pradesh Technical University, Hamirpur**



**In the partial fulfilment for award of the Degree
Master of Pharmacy**

In

Pharmaceutical Analysis and Quality Assurance

Submitted by

SHIVANI CHAUDHARY

Roll No.20013118007

Session: 2021-2022

Supervisor

Mrs. Kamya Jindal

Associate Prof.

**Department of Pharmaceutical
Analysis & Quality Assurance**

Co-Supervisor

Mrs. Arti Devi

Assistant Prof.

**Department of Pharmaceutical
Analysis & Quality Assurance**



**LAUREATE INSTITUTE OF PHARMACY, KATHOG,
TEHSIL- JAWALAMUKHI, DISTT. KANGRA (HP)-176031**

CERTIFICATE BY PRINCIPAL



to certify that the dissertation entitled "Analytical Method Development of Novel synthesized Pyrazoline using UV-Visible Spectroscopy and RP-HPLC" is genuine work carried out by Ms. Shivani Chaudhary (Roll No. 20013118007) under supervision of Mrs. Kamya Jindal, Associate Prof., Department of Pharmaceutical Analysis and Quality Assurance and co-supervision of Mrs. Arti Devi, Assistant Prof., Department of Pharmaceutical Analysis and Quality Assurance. This search work is original and has not been submitted for any degree/ diploma in this or any other university.

Date:

Place:


Prof. (Dr.) M. S. Ashawat

Director cum Principal,
Laureate Institute of Pharmacy,
Kathog (Jawalamukhi).

DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE
OF PHARMACY, KATHOG
TEH. JAWALAMUKHI
DIST. J. KANGRA (H.P.)



Laureate Institute of Pharmacy

Approved by PCI & AICTE, New Delhi and H.P. Govt., Affiliated to J.P. Technical University,
H.P. Technical Education Board, & Recognized Under 2(f) of UGC Act 1956

Phone : 9218428040
9218405087

Ref. No.

Date

Date: 05 /05/2022

Notice


This is to inform all the students that the college is organizing an Industrial visit on 17th May 2022 for Final Year students of B. Pharm. All the Students are directed to attend the industrial visit without any failure.

Objectives of Industrial visit:

1. To create awareness about manufacturing process of industry.
2. To give industrial exposure.
3. To understand the various processes of manufacturing of the common dosage forms viz. tablets, capsules, liquid orals.

Departure Time: 09:00 A.M.

Approximate Arrival Time: 05:00 P.M.


Dr. M. S. Ashawat
Principal
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE OF
PHARMACY
TEH. MALAMUKHI
DISTT. KANGRA (H.P.)

LAUREATE INSTITUTE OF PHARMACY
Kathog, Teh. Jawalamukhi, Distt. Kangra (H.P)
List of students went for Industrial Visit Batch 2021-2022


Sr. No.	Roll No.	Name
1.	18BPD0601	Abhijeet Singh Rana
2.	18BPD0602	Abhishek Chambiyal
3.	18BPD0603	Abhishek Dhiman
4.	18BPD0604	Abhishek Kumar
5.	18BPD0605	Akanksha Thakur
6.	18BPD0607	Akash Thakur
7.	18BPD0608	Akhil Sharma
8.	18BPD0609	Akshit Sharma
9.	18BPD0610	Aman Sandhu
10.	18BPD0611	Aman Sharma
11.	18BPD0613	Amit Kumar
12.	18BPD0614	Amita Talwar
13.	18BPD0615	Anchal Sharma
14.	18BPD0616	Aniket
15.	18BPD0617	Aniket Dhadwal
16.	18BPD0618	Aniket Kumar
17.	18BPD0619	Aniket Rana
18.	18BPD0620	Aniket Saini
19.	18BPD0621	Anmol Kumar
20.	18BPD0622	Anshul Acharya
21.	18BPD0623	Anshul Gautam


DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE OF
PHARMACY KATHOG
TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)

22.	18BPD0624	Arpit Bhuria
23.	18BPD0625	Ayush Gupta
24.	18BPD0626	Chandan Patyal
25.	18BPD0627	Deepanshu
26.	18BPD0628	Diksha
27.	18BPD0629	Dipali Rana
28.	18BPD0630	Ekta Sharma
29.	18BPD0631	Gurvinder Singh
30.	18BPD0632	Harsh
31.	18BPD0633	Himanshu
32.	18BPD0634	Himanshu Shridhar
33.	18BPD0635	Kajol
34.	18BPD0638	Ketan Kumar
35.	18BPD0639	Mohita Thakur
36.	18BPD0636	Kanav Sharma
37.	18BPD0638	Neha Sharma
38.	18BPD0637	Karan Singh
39.	18BPD0639	Kritika Sharma
40.	18BPD0641	Lovely Choudhary
41.	18BPD0642	Mahak Sharma
42.	18BPD0643	Manish Kumar
43.	18BPD0644	Mohit Dogra
44.	18BPD0648	Nectika
45.	18BPD0649	Nikhil Choudhary
46.	18BPD0650	Nikhil Choudhary
47.	18BPD0651	Nikhil Kumar
48.	18BPD0652	Nikhil Kumar
49.	18BPD0653	Nishant Koundal

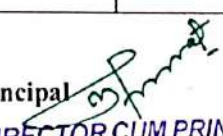

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50.	18BPD0654	Nikita
51.	18BPD0655	Parladh Katoch
52.	18BPD0657	Pawmesh Khatta
53.	18BPD0659	Priyanka
54.	18BPD0660	Priyanka
55.	18BPD0661	Priyanka Guleria
56.	18BPD0662	Rishad
57.	18BPD0663	Ritesh
58.	18BPD0664	Ritish
59.	18BPD0666	Ritik Chandel
60.	18BPD0668	Rohit
61.	18BPD0669	Rohit Kumar
62.	18BPD0671	Sahil
63.	18BPD0672	Sahil Choudhary
64.	18BPD0673	Sahil Sharma
65.	18BPD0675	Sanchi
66.	18BPD0676	Shagun Sharma
67.	18BPD0677	Himani Dhiman
68.	18BPD0678	Sharad Kapoor
69.	18BPD0679	Shashwat
70.	18BPD0680	Shiana
71.	18BPD081	Shikha


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72.	18BPD0682	Shivani Dixit
73.	18BPD0684	Shivika
74.	18BPD0685	Shrutika
75.	18BPD0686	Shubham
76.	18BPD0687	Shubham Bagga
77.	18BPD0689	Shubhangi
78.	18BPD0690	Sonam
79.	18BPD0691	Sourav Sanyal
80.	18BPD0693	Shweta Choudhary
81.	18BPD0694	Talin Thakur
82.	18BPD0696	Vishakha
83.	18BPD0698	Vishal Kumar
84.	18BPD0699	Vishal Kumar Pathania
85.	18BPD0700	Vishal Rana
86.	1931142001	Amit Dhiman
87.	1931142002	Deeksha Rani
88.	1931142004	Priyanka Lagwal
89.	1931142005	Sanyogita
90.	1931142006	Vishal

Principal


DIRECTOR CUM PRINCIPAL
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INDUSTRIAL VISIT REPORT

On 07/05/2022, industrial visit was organized for the students of B. Pharmacy, 8th semester. The faculty members Prof (Dr) C.P.S Verma, Dr. Pravin Kumar, Mr. Akshay and Ms. Pratibha Sharma accompanied the students for industrial visit. The students visited the **SRIRAM HEALTHCARE PVT. Ltd., Baddi**. The students visited the different sections of industry like change room, store, production (Oral liquids) and packaging area. The students also participated in one day national conference on 'Novel Perspective in Green Synthesis and Clinical Research' organized by School of Pharmacy, Maharaja Agrasen University, Baddi.



C.P.S Verma
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TEH. JAWALAMUKHI
DISTT. KANGRA (H.P.)




Director Cum Principal
Laureate Institute of Pharmacy
Kathog, Tehsil Jawalamukhi
Distt. Kangra (HP)



Phone : 9218428040
9218405037

Laureate Institute of Pharmacy

Approved by PCI & AICTE, New Delhi and H.P. Govt., Affiliated to H.P. Technical University,
H.P. Technical Education Board, & Recognized Under 2(f) of UGC Act 1956

Ref. No.

Date

Date: 05/05/2022

Notice

This is to inform all the students that the college is organizing an Industrial visit on 07th May 2022 for 1st, 2nd and 3rd year students of B. Pharm. All the Students are directed to attend the industrial visit without any failure.

Objectives of Industrial visit:

1. To create awareness about manufacturing process of industry.
2. To give industrial exposure.
3. To understand the various processes of manufacturing of the common dosage forms viz. tablets, capsules, liquid orals.

Departure Time: 09:00 A.M.

Approximate Arrival Time: 05:00 P.M.

Principal

Dr. M. S. Ashawat

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Attendance of students for Industrial Visit

B. Pharm. First Year


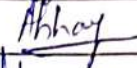
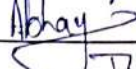
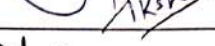
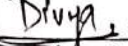
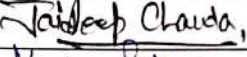
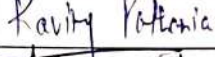
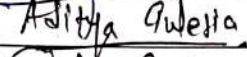


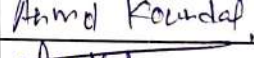
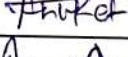
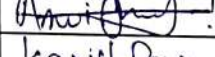
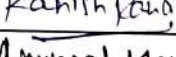
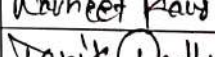
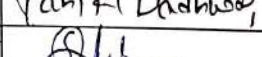
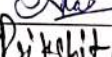
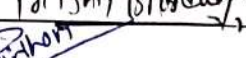
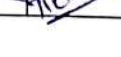
Sr.No.	Name of Students	Remarks/Signature
1.	Akanksha	Akanksha
2.	Akriti thakur	Akriti
3.	Akshat	Akshat
4.	Akshat sharma	Akshat
5.	Akshit sharma	Akshit Sharma
6.	Akshita thakur	Akshita
7.	Abhay sharma	Abhay
8.	Abhinav dhadwal	Abhinav
9.	Abhishek	Abhishek
10.	Aditya sharma	Aditya
11.	Naman katnouria	Naman Katnouria
12.	Nikhil bariyan	Nikhil bariyan
13.	Nikhil kumar	Nikhil
14.	Paras dogra	Paras dogra
15.	Parul thakur	Parul
16.	Pranav dhiman	Pranav dhiman
17.	Prince samyal	Prince
18.	Priti	Priti
19.	Priyanka devi	Priyanka Devi
20.	Priyanka rani	Priyanka Rani
21.	Vishal Chaudhry	Vishal Chaudhry


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Attendance of students for Industrial Visit

B. Pharm. Second Year

Sr. No.	Name of Candidate	Signature
1.	Aayush	
2.	Abhay Koundal	
3.	Abhay Sharma	
4.	Diksha	
5.	Divya	
6.	Jaideep Chawla	
7.	Kavita Pathania,	
8.	Aditya Guleria,	
9.	Abhishek Kumar,	
10.	Darpan Sood,	
11.	Anmol Koundal,	
12.	Anuket,	
13.	Anvi Sharma,	
14.	Kanish Rana,	
15.	Navneet Kaur,	
16.	Tanik Dadhwal,	
17.	Shalini,	
18.	Prikshit Bhardwaj,	
19.	Ridham,	

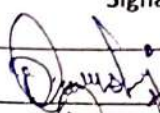
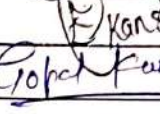
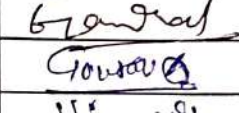
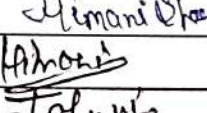
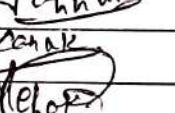
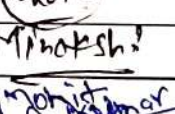
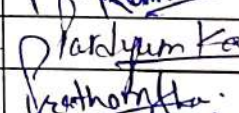
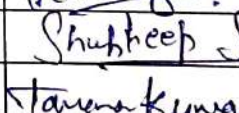
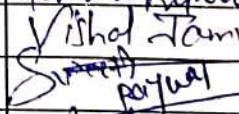
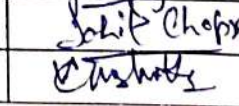

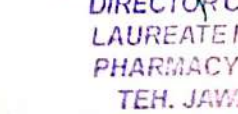
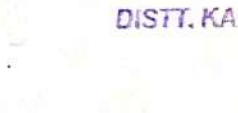




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Attendance of students for Industrial Visit

B. Pharm. Third Year

Sr. No.	Name of Candidate	Signature
1.	Divyanshi	
2.	Ekansh Sharma	
3.	Gopal Kumar	
4.	Gourav	
5.	Gourav Banyal	
6.	Harshita	
7.	Himani Sharma	
8.	Jahnvi Sharma	
9.	Kanak Guleria	
10.	Mehak Sharma	
11.	Minakshi	
12.	Mohit Kumar	
13.	Pardyum Kaushal	
14.	Pratham Sharma	
15.	Shubhdeep Singh	
16.	Tamanna Kumari	
17.	Vishal Jamwal	
18.	Sweety Rajwal	
19.	Sahil Chopra	
20.	Vanshika	


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A REPORT ON ONE DAY INDUSTRIAL VISIT


Place of visit: Plot 56 & 61, Industrial Area, Phase-III, Sansarpur Terrace, (H.P.)-176501

Date: 07 May 2022

A batch of Laureate Institute of Pharmacy B pharm 1st, 2nd and 3rd Year students along with faculty Dr. CPS Verma, Mr. Ajay Kumar and Ms. Pratibha Choudhary visited Jackson Laboratories Pvt. Ltd., at Sansarpur Terrace in H.P. Best wishes for the visit given by Dr. M.S. Ashawat Principal of Laureate institute of Pharmacy Kathog. This visit was mainly focussed on to understand the procedures involved during the manufacturing of different dosage form and the various equipment's used in the manufacturing process. Students were split into six groups groups. Mr. Rahul and Mr. Vinod Production officer there explained about the facilities available inside the industry, their methods of manufacturing and their storage. They also explained about the maintenance of the equipment and ethics considered during manufacturing and storage. Students visited in Water for injection manufacturing area and also visited in Effluent treatment plant. Total 60 students were present in this visit. All the students move from the campus sharp at 9:00 AM and reaches at Sansarpur Terrace on 11:30 AM. Visit started from 12:00 PM and complete at 02:00 PM. After the visit completion students take their lunch and the all the students reaches at the college by 05:00 PM.

OUTCOMES OF THE VISIT:

- Students Understand about the gowning procedure in Primary and Secondary area.
- Students learn about the various steps involved in the tablets and capsule manufacturing.
- Understand the procedure of the different types of granulators, dryers and tablet compression machine.
- Students understand regarding the coating process
- Learn about the different kinds of packaging process and packaging material.


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- Understand about how and where to store approved and rejected material.
- Learn about how to handle and disposal of the rejected material

Pictures of the visit:



Director
L.P. Singh
Kathlog
Distt. Kangra (HP)



Dr. J. J. J.

Director Cum Principal
Laureate Institute of Pharmacy
Kathog, Tehsil Jawalamukhi
Distt. Kangra (HP)



Dr. Anam
Dr. Anam
Cum Principal
Laureate Institute of Pharmacy
Kathog, Tehsil Jawalamukhi
Distt. Kangra (HP)