

**Indore Institute of Pharmacy, Indore**

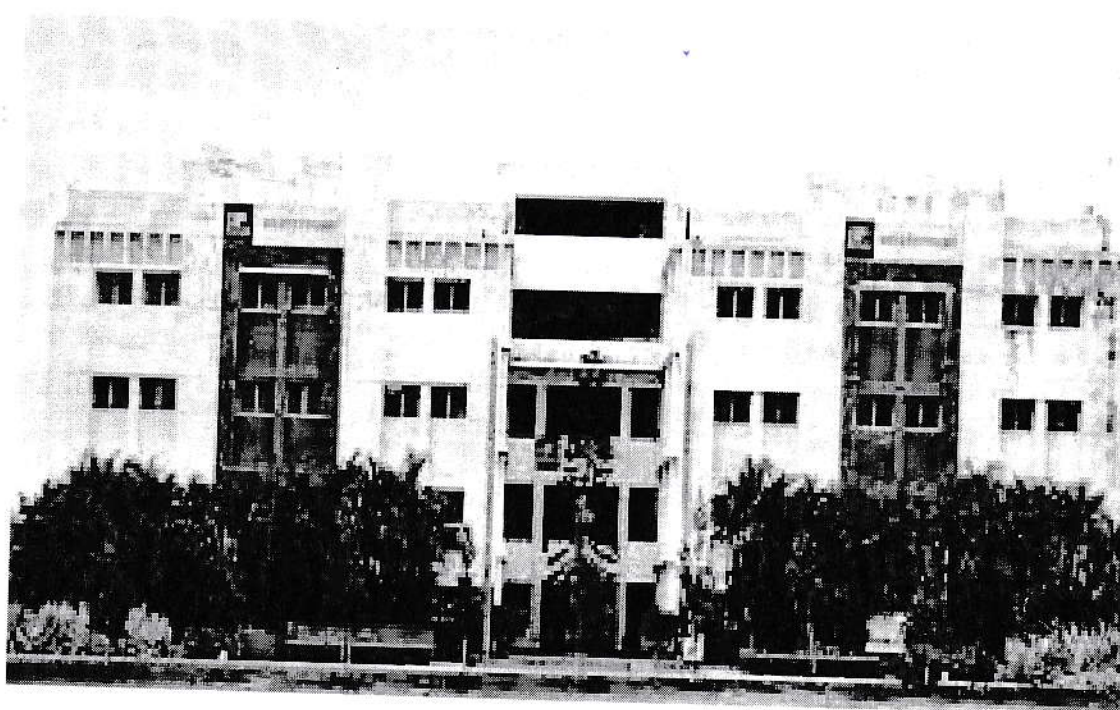
**3.2.1. Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge**

**(Patents filed, published, incubation center facilities in the HEI to be considered)**

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# Start-up and Innovation cell

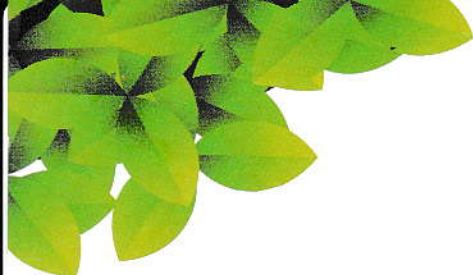


## Indore Institute of Pharmacy

Pithampur Road, opposite Indian Institute of Management,

Rau, Indore, Madhya Pradesh 453331



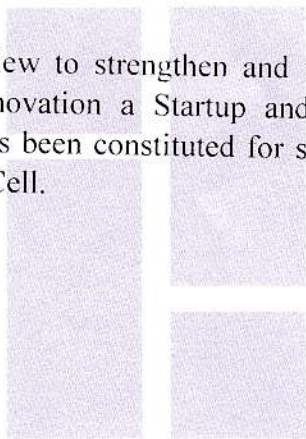


Date: 03/08/2021

**CIRCULAR**

Subject: - Formation of committee for Start-up and Innovation Cell.

In view to strengthen and facilitate research in the institution and to incubate the research innovation a Startup and Innovation Cell Committee comprising of following members has been constituted for streamlining the work and functioning of the Startup and Innovation Cell.



Indore Institute of  
Pharmacy

**Dr. Dinesh Kumar Mishra**

Principal, IIP

Principal  
Indore Institute of Pharmacy,  
INDORE (M.P.)

## A. COMPOSITION OF CELL

S. No.	Name	Designation
1.	Dr. Dinesh Kumar Mishra Principle, IIP	Chairman
2.	Mr. Kuldeep Vinchurkar Assistant Professor	President
3.	Mrs. Nayany Sharma Assistant Professor	Convener
4.	Dr. Rekha Bhist Associate Professor	IPR Activity Coordinator
5.	Mrs. Darshan Jamindar Associate Professor	Internship Activity Coordinator
6.	Dr. Pritesh Paliwal HOD, Department of Pharmacognosy	Startup Activity Coordinator
7.	Mrs. Neha Kamalpuria Assistant Professor	Innovation Activity Coordinator
8.	Mrs. Rupali Sontakke Assistant Professor	Social Media Coordinator
9.	Dr. Nadeem Farooqui HOD, Department of Pharmaceutics	ARIIA Coordinator
10.	Dr. Pankaj Dixit HOD, Department of Pharmacology	NIRF Coordinator
12.	Mr. Pritam Siraskar Glenmark Pharmaceuticals (India) Limited, Indore	Expert from nearby Industry
13.	Dr. Sanjay Sharma SVKM.s NMIMS, Dhule, Maharastra	Patent Expert
15.	Mr. Bhavana Wankhede, B.Pharm IV Year Ms. Sweta Yadav, B.Pharm IV Year Ms. Aayushi Aroraa, B.Pharm III Year	Student Representation

\* Remaining all Faculty members will be the active members of the Innovation cell.

Principal  
Indore Institute of Pharmacy,  
INDORE (M.P.)



Principal  
Indore Institute of Pharmacy,  
INDORE (M.P.)

## **B. OBJECTIVES OF CELL**

- To provide a platform for entrepreneurship development and encourage the students to choose entrepreneurship as their careers.
- Prepare institute for Atal Ranking of Institutions on Innovation Achievements Framework (ARRIA)
- Establish function ecosystem for scouting ideas and pre-incubation of ideas
- To motivate and support student's ideas for developing a viable product, service, or platform.
- To extrapolate the student's projects to achieve national sustainable goals and thus to inculcate social responsive behaviours among students.
- Mentoring students for to develop necessary skills, raising research funds and legal protection of innovative idea.

## **C. PRAPOSED ESTABLISHMENT OF START-UP AND INNOVATION CELL UNDER**

- Ministry of Human Resource Development (MHRD), Govt of India. Innovation Cell

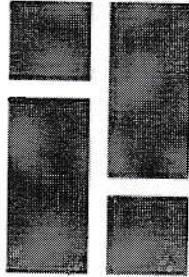


## D. PROPOSED ACTIVITIES

### Initiatives & Activities

1. Under the aegis of this cell, various activities have been organized which gives real time exposure to the students and provide them a platform to showcase and implement their practical learning.
2. It aims to enable students to acquire knowledge through practical learning experience and apply that knowledge to prepare electronic model/circuits for various technical purposes.
3. The cell also encourages students to come up with working engineering models and projects which are helpful to the society and that work towards the enhancement of safety and socio-economic conditions of the typical Indian society.
4. Many patents have been filed after the establishment of this cell and the Institute is progressing under the esteemed guidance of its high-quality faculty members.
5. Faculty members have submitted various Projects to various Departments of the Govt. of India. Some of the agencies include DST, SERB, AICTE, etc.





**Indore Institute of  
Pharmacy**

# **INDORE INSTITUTE OF PHARMACY**

## **MEETING**

## **MINUTES**

Meeting Date: 09<sup>th</sup> August,  
2021 Meeting Mode: Online  
mode

Meeting Platform: Google meet



## Minutes of the meeting (MOM)

- Principal and Professor, Dr. Dinesh K Mishra welcomed all the members for the 1st Inaugural meeting of the Startup and Innovation cell committee.
- Academic Head, Dr.(Mrs.) Gurmeet Chhabra introduced all the members and briefed about the importance of the committee and emphasised on initiatives to conduct various training and programs to create a platform to acquire start-ups and innovations among students.
- Discussion on applications regarding Ministry of Human Resource Development (MHRD), Govt of India, Innovation Cell was done.
- Project were proposed by faculty members of different department and detailed discussion was done about feasibility and application.

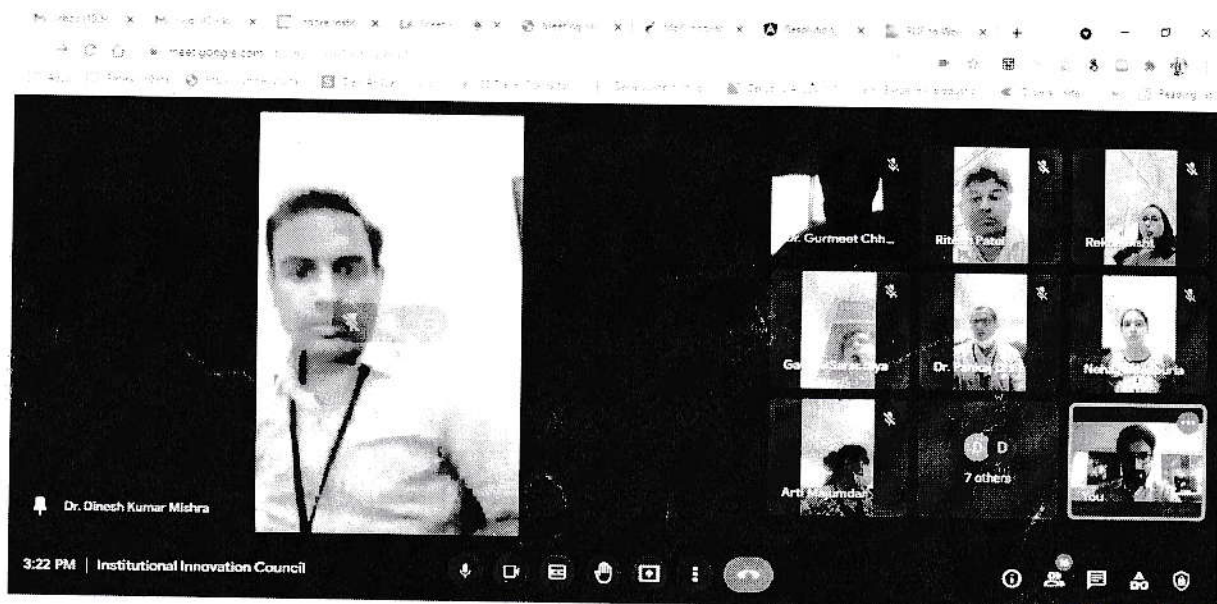


Principal  
Indore Institute of Pharmacy,  
INDORE (M.P.)



# INAUGURAL MEETING OF STARTUP AND INNOVATION CELL COMMITTEE

## Photos of meeting



*[Handwritten signature]*



## **MEETING AGENDA**

1. Resolution
2. Declare duration of Semester
3. 1<sup>st</sup> Quarterly based action plan
4. Social Media Page as per requirement of MIC

## **DISCUSSED POINTS**

The meeting began with all the council members introducing themselves.

Mr. Kuldeep Vinchurkar, President of the IIC, briefed the council regarding the scope and mission of innovation council.

Ministry of Human Resource Development (MHRD), Govt. of India has established 'MHRD's Innovation Cell (MIC)' to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs). The primary mandate of MIC is to encourage, inspire and nurture young students by supporting them to work with new ideas while they are in formative years.

MIC has envisioned creation of 'Institution's Innovation Council (IICs) across selected HEIs. A network of these IICs will be established to promote innovation in the Institution through multitudinous modes leading to an innovation promotion eco-system in these campuses.

### Major Focus of IIC

- To create a vibrant local innovation ecosystem
- Start-up / entrepreneurship supporting Mechanism in HEIs
- Prepare institute for Atal Ranking of Institutions on Innovation Achievements Framework (ARRIA)
- Establish Function Ecosystem for Scouting ideas and Pre-incubation of ideas
- Develop better Cognitive Ability amongst Technology Students

He explained the structure of the committee. He briefed about the major focus areas of the council. He further shared the schedule of events from Sep. 2021.

Dr. Dinesh Kumar Mishra, Chairman of the IIC, addressed the council and gave suggestions on plan of action. He mentioned about the existing facility for incubation at IIST called CARE. He Suggested to initiate a student Innovation / Entrepreneur club comprising of 50 student members on a voluntary basis. He also suggested conducting one program every month through the innovation / entrepreneur club.

Mr. Pritam Siraskar from Glenmark Pharmaceuticas (India) Limited, Indore Expert from nearby Industry also suggested that workshops for a group of 30 students may be conducted at a time to encourage small group focused learning.



## MEETING OUTCOME

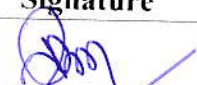

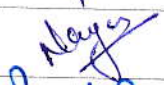
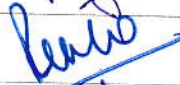


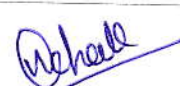

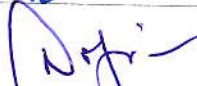
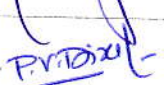

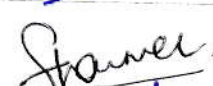

The meeting concluded with summarizing plan of action as follows:

- Mr. Darshan Jamindar Associate Professor, and Mrs. Rupali Sontakke, Assistant Professor will add student members to whatsapp group and coordinate innovation clubactivities.
- A mentor will be invited to talk to the members of the innovation/entrepreneurclub
- Network with technical institutions like IIT, NIPER, AIIMS, SSN, and other collaborators will be strengthened
- Policies in IIP for Innovation project, IPR and Entrepreneurship. Separate policies for students andfaculty.
- Self driven activity conducting one program every month through the innovation / entrepreneur club.
- Every quarter conduct one skillbased training or workshop to promote innovation in the campus.
- Social Media Coordinator Provide the IIC Page on Facebook and all Social Media Platform within aweek.
- Finalizes the quarterly actionplan.

  
**Dr. Dinesh Kumar**  
**Principal, IIP**

**Principal**  
**Indore Institute of Pharmacy,**  
**INDORE (M.P.)**

## ATTENDANCE

S. No.	Name	Designation	Present	Signature
1.	Dr. Dinesh Kumar Mishra Principle, IIP	Chairman	Present	
2.	Mr. Kuldeep Vinchurkar Assistant Professor	President	Present	
3.	Mrs. Nayany Sharma Assistant Professor	Convener	Present	
4.	Dr. Rekha Bhist Associate Professor	IPR Activity Coordinator	Present	
5.	Mrs. Darshan Jamindar Associate Professor	Internship/Activity Coordinator	Present	
6.	Dr. Pritesh Paliwal HOD, Department of Pharmacognosy	Startup Activity Coordinator	Present	
7.	Mrs. Neha Kamalpuria Assistant Professor	Members, Innovation Activity Coordinator	Present	
8.	Mrs. Rupali Sontakke Assistant Professor	Members, Social Media Coordinator	Present	
9.	Dr. Nadeem Farooqui HOD, Department of Pharmaceutics	ARIIA Coordinator	Present	
10	Dr. Pankaj Dixit HOD, Department of Pharmacology	NIRF Coordinator	Present	
12	Mr. Pritam Siraskar Glenmark Pharmaceuticals (India) Limited, Indore	Expert from nearby Industry	Present	
13	Dr. Sanjay Sharma SVKM,s NMIMS, Dhule, Maharastra	Patent Expert	Present	
15	Mr. Bhavana Wankhede, B.Pharm IV Year Ms. Sweta Yadav, B.Pharm IV Year Ms. Aayushi Aroraa, B.Pharm III Year	Student Representation	Present	

### MEETING START

Meeting Start: 03:00 P.M

Meeting End: 04:00 P.M





MoE's  
INNOVATION CELL  
(GOVERNMENT OF INDIA)



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of Education Initiative)



CERTIFICATE

This is to certify that

**Indore Institute of Pharmacy, Indore**

**has established Institution Innovation Council(IIC) as per the norms of Innovation Cell,  
Ministry of Education, Govt. of India during IIC Calendar year 2020-21**

**Prof. Anil D. Sahasrabudhe  
Chairman, AICTE**

**Dr. Abhay Jere  
CIO, MHRD,  
Innovation Cell**

Date : 13-08-2021

Certificate No : 4665



## Declaration Form

Dear Sir / Madam,


This is inform MHRD Innovation Cell (MIC) that Institution's Innovation Council (IIC) for our institution is formed as per the prescribed format by MIC under the Chairmanship of Dr. Dinesh Kumar Mishra, Principal Indore Institute of Pharmacy (IIP). As institution, we are committed to support activities suggested by MIC as per the prescribed schedule and timelines. Please find the below the details regarding councilmembers.

### Institution's Innovation Council Composition

S. No.	Name	Designation
1.	Dr. Dinesh Kumar Mishra Principle, IIP	Chairman
2.	Mr. Kuldeep Vinchurkar Assistant Professor	President
3.	Mrs. Nayany Sharma Assistant Professor	Convener
4.	Dr. Rekha Bhist Associate Professor	IPR Activity Coordinator
5.	Mrs. Darshan Jamindar Associate Professor	Internship Activity Coordinator
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15.	Mr. Bhavana Wankhede, B.Pharm IV Year Ms. Sweta Yadav, B.Pharm IV Year Ms. Aayushi Aroraa, B.Pharm III Year	Student Representation

  
Dr. Dinesh Kumar Mishra

Principal, IIP



**INSTITUTION'S INNOVATION COUNCIL**

- MY PROFILE
- My Council
- Manage Activity
- Innovation Ambassador
- Manage Pre-Incubation / Incubation Details
- Announcement from IIC Institutes
- Notification
- Schemes / Programs for Participation
- ATL School Linkage
- e-Learning Resources
- YUKTI

**IIC ID**  
**IC202015121**

**Indore Institute of Pharmacy (C-35938)**

**Star Ratings**  
 ★★★★★



**Quarter 3 and Quarter 4 are merged**

### Activity

- IIC Activities Announced: 28
- IIC Activities Submitted: 1
- IIC Activities Approved: 1
- MIC Activities Announced: 6
- MIC Activities Submitted: 0
- MIC Activities Approved: 0
- Self Activities Announced: 0
- Self Activities Submitted: 0
- Self Activities Approved: 0

[More Info →](#)

### Notification

- Utilization Certificate for Mentor-Mentee Sc...
- Format of Statement of Expenditure for Me...
- Report Format for the activities under Ment...
- List of IIC Institutions Selected for Organisin...
- Innovation Repository (Idea submission in Q...
- The last date for the submission of activity r...
- Atal Innovation Mission announces partners...
- /mic/images/announcements/536188\_anno...

[More Info →](#)

### News Corner

- International Conference on Optimization Te...
- The Journey of Innovation to IPR
- Entrepreneurial Ecosystem for Startup
- IIC - IMPACT LECTURE SESSION - II
- Impact Lecture Series -I ( GST importance an...

[More info →](#)

### Activity By Theme

### Overall Impact



Type here to search

**NOTE SHEET**

IIP/ Notesheet.....

**Date: 01/10/2021**

To,

**The Principal  
IIP, Indore,**

**Subject: - Regarding approval of IIC Event at IIP**

Respected Sir,

With reference to above cited subject this is inform you that IIP is about to initiate Q 1 activity of its Institute Innovation Council in collaboration with Clinical Orbit Healthcare Solution on the theme of Motivational Session by Successful Entrepreneur as a Guest Lecture (Online Mode) by Mr. Jagveer Singh. His resume is enclosed herewith.

I request you to kindly approve the initiation of this activity.





Submitted for approval

Thanks

**Mr. Rohit Sahu  
Asst. Prof.**

**Principal  
Indore Institute of Pharmacy,  
INDORE (M.P.)**




Affiliated to - RGPV(Bhopal) & Approved by - AICTE(New Delhi) & PCI(New Delhi)

Institute Innovation Council (IIC)

## Motivational Session by Successful Entrepreneur



Expert Speaker

**Mr. Jagveer Singh**  
Managing Director  
Clinical Orbit Healthcare Solutions

Date: 15<sup>th</sup> October, 2021  
Time: 11:00 AM - 12.00 Noon

Last date for Registration:  
01<sup>st</sup> October, 2021

Coordinators:  
Dr. Rekha Bisht (97520 95118) | Mr. Rohit Sahu (78048 58486)

Reg. link: <https://forms.gle/gFtE5en7VpLitsXz9>

IIST Campus, Opp. IIM(Indore), Rau-Pithampur Road, Rau, Indore 453331(MP)  
www.indoreinstitute.com | info@indoreinstitute.com | www.facebook.com/IISTcollegeindore/  
Toll Free: 1800 103 3069 | 822 407 4000 | 822 407 1000/2000/3000 | 822 507 1000/2000/3000



Principal  
Indore Institute of Pharmacy,  
INDORE (M.P.)

*T. / seb*  
*C Rohit Sahu*

## Activity Report

Academic Year – 2021-2022

Session: July- Dec. 2021

Name of the Event: Motivational Session by Successful Entrepreneur (Guest Lecture)

Date of the Event: 15/10/2021

Topic: Scope of Pharmacovigilance Certificate courses in India

Organizing Department: Department of Pharmacology

Event Co-ordinator- Mr. Rohit Sahu & Dr. Rekha Bisht

Name of the Expert: Mr. Jagveer Singh

Institute: Clinical Orbit Healthcare Solutions

Designation: Director

Address:

Contact No. 9899247950

Email: [clinicalorbit@gmail.com](mailto:clinicalorbit@gmail.com)

### Details of Participants

No. of Institutes Participated	No of students Participated	Department:	No. of Industry Representative	Remarks
05	50	Department of Pharmacology	02	NIL

### Enclosure

1. Approval Letter
2. Brochure
3. Report
4. Certificate of appreciation/participation

*R. Sahu*

*P. Bisht*  
[Dr. Bisht]

Principal  
Indore Institute of Pharmacy,  
INDORE (M.P.)

## Indore Institute of Pharmacy

15/10/2021

### Event Report


Indore Institute of Pharmacy conducted a guest lecture of Mr. Jagveer Singh, Director Clinical Orbit Healthcare Solutions, Indore as a part of its Institute Innovation Council on the theme Motivational Session by Successful Entrepreneur on 15/10/2021.

For the event students from five institute namely Indore Institute of Pharmacy, Indore; Institute of Science and Technology, Indore; Indore Institute of Management & Research, Indore; Vinayaka Institute of Pharmacy, Indore; Truba Institute of Pharmacy, Bhopal registered for this event and participated in the event.

The Expert Talked on the role of Pharmacovigilance as a career for pharmacy students and also emphasized on how to establish a Pharmacovigilance Research Center, how to identify adverse drug reaction in a hospital set up, various software that are used in the pharmacovigilance section. The function concluded with vote of thanks and concluding remarks by the Principal, Indore Institute of Pharmacy.

F. J. Singh

P. V. Dixit  
(Pr. B. 2021)

  
Principal  
Indore Institute of Pharmacy,  
INDORE (M.P.)



**Indore Institute of  
Pharmacy**

Affiliated to - RGPV(Bhopal) | Approved by - AICTE(New Delhi) & PCI(New Delhi)

# *Certificate of Appreciation*

Awarded to

**Mr. Jagveer Singh**

for Delivering an Expert Talk on

**“Successful Entrepreneur”**

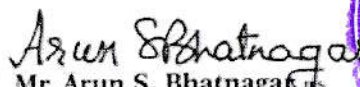
Organized by Indore Institute of Pharmacy

on 15.10.2021. The session was very interesting and informative.

We wish him good luck for future endeavors.

  
**Dr. Dinesh K. Mishra**  
PRINCIPAL - IIP

Principal  
Indore Institute of Pharmacy  
INDORE (M.P.)

  
**Mr. Arun S. Bhatnagar**  
Director General  
IIST-IIP-IIMR



## Indore Institute of Pharmacy

Sr. No.	Name	Sign
1	Astha Patidar	A
2	Harshita Gauraha	Harshita
3	Kartik Sharma	Kartik
4	Pranalee Khatirkar	Pranalee
5	Ritu Kumari	Ritu Kumari
6	Sapna Saini	Sapna
7	Shadab Khan	Shadab
8	Shivani Burman	Shivani
9	Yash Jaiswal	Yash
10	Ankita Bhadoriya	Ankita
11	Niel Ravi Danile	Niel
12	Raja Pathan	Raja
13	Tanvi Sharma	Tanvi
14	Neelima Mandloi	Neelima
15	ANJALI ARUN JAISWAL	Anjali
16	MEGHA GUPTA	Megha
17	NITUBALA	A
18	UTKARSHA VERMA	A
19	SAVITA SONI	A
20	RUCHI BHARDWAJ	A
21	PRACHI GUPTA	Prachi
22	MOUMITASANT	Moumita sant
23	PRIYANKA SINGH	A
24	TWINKLE CHOUHAN	A
25	KAJAL TYAGI	A
26	PARUL VAISHNAV	Parul

W






Date: 09/12/2021

## Circular

This is to inform all the M.Pharm first students that to understand the concept and instrumentation of 3D printing technology, Indore Institute of Pharmacy is organizing an expert lecture on 3D printing by Mr. Huzefa, 3D PROTOTYPERZ on 11/12/2021 at 11:00

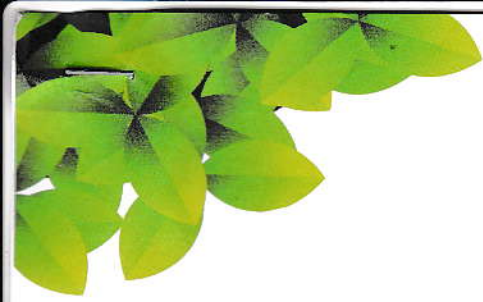


**Indore Institute of  
Pharmacy**



Dr. Dinesh Kumar Mishra  
Principal  
Indore Institute of Pharmacy

**Principal**  
Indore Institute of Pharmacy,  
INDORE (M.P.)



Invitation Letter

06/12/2021

To,  
**Mr. Huzefa**  
3D PROTOTYPERZ  
Indore

**Subject: Invitation as an Expert speaker**

Dear Sir

On behalf of Indore Institute of Pharmacy family, I would like to invite you to give an expert talk on "3D Printing" for students of B. Pharm., M. Pharm. on a virtual platform.

Please suggest your convenient date and time for the same.

Thanks and Regards

  
6/12/21

Dr. Dinesh Kumar Mishra  
Principal  
Indore Institute of Pharmacy

Principal  
Indore Institute of Pharmacy,  
INDORE (M.P.)

Indore Institute of  
Pharmacy

## Report

**Program: Expert lecture on 3D Printing.**

**Resource person: Mr. Huzefa, 3D PROTOTYPERRZ, Indore**

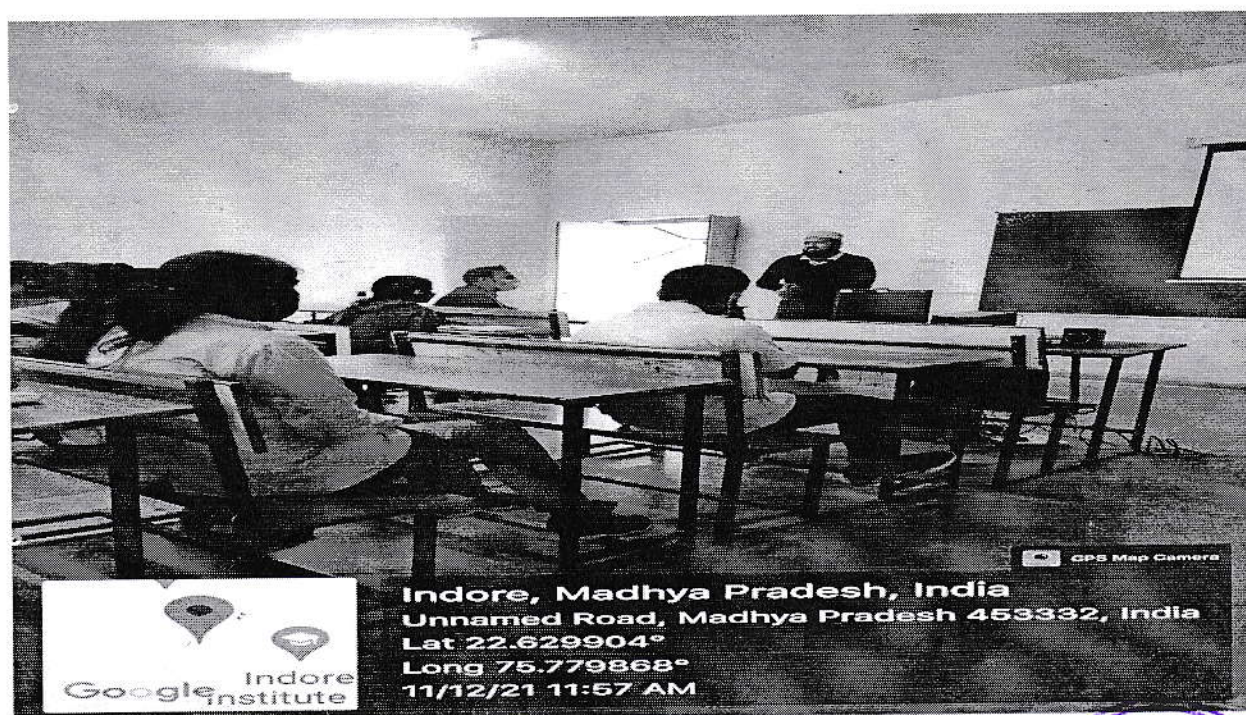
**Day and date: Friday/ 11/12/2021**

**Venue: Indore Institute of Pharmacy,**

**Time: 11:00 am-1:00 pm**

The expert lecture commenced with the welcoming remarks by Dr. Dinesh K Mishra, Principal, Indore Institute of Pharmacy, Indore. Dr. Dinesh Kumar Mishra narrated the objective of the expert lecture that aims to give a better understanding of the 3D technology. Total 32 participants including research scholars and students participated in the expert session. The expert lectures began with the history of 3D printing technology from beginning to developing phase. Subsequently explaining the instrumentation and process flow of 3D printing technology. Mr. Huzefa further explained the different types of software's and application of this technology in pharmaceutical formulations. At the end of the session, Mr. Huzefa interacted with students to solve their queries related to students, research scholars, faculty participants.

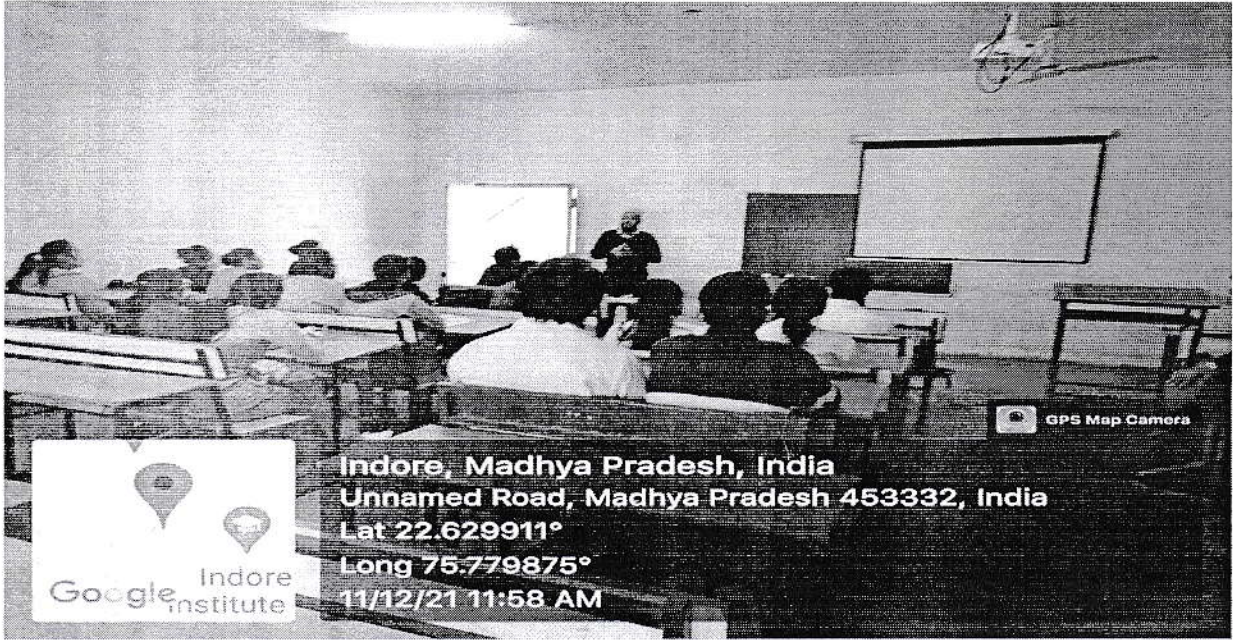
At the end of the session, Mr. Kuldeep Vinchurkar, Co-ordinator proposed a vote of thanks and acknowledged the contribution of eminent speaker, faculty and staff and participants.



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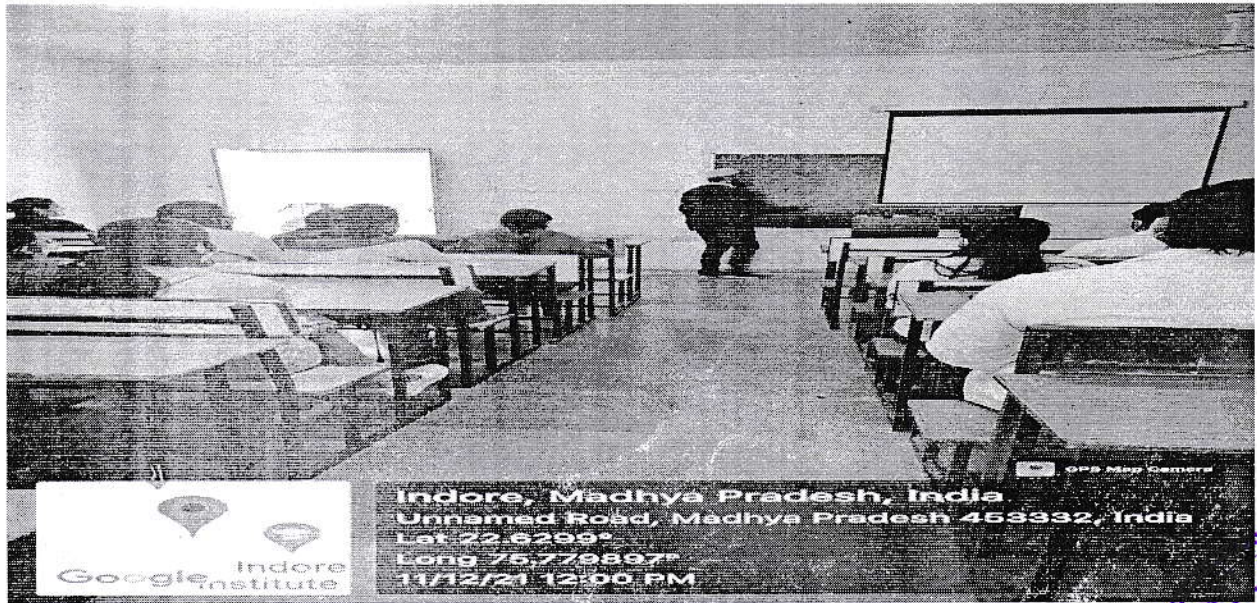
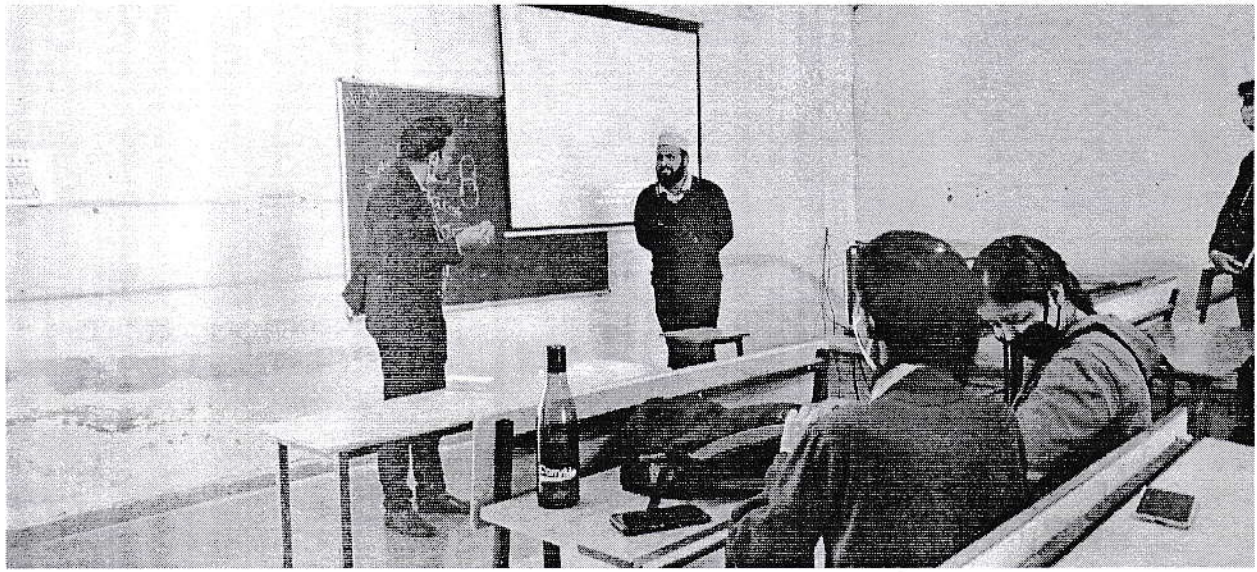






Indore, Madhya Pradesh, India  
Unnamed Road, Madhya Pradesh 453332, India  
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Long 75.779875°  
11/12/21 11:58 AM

GPS Map Camera

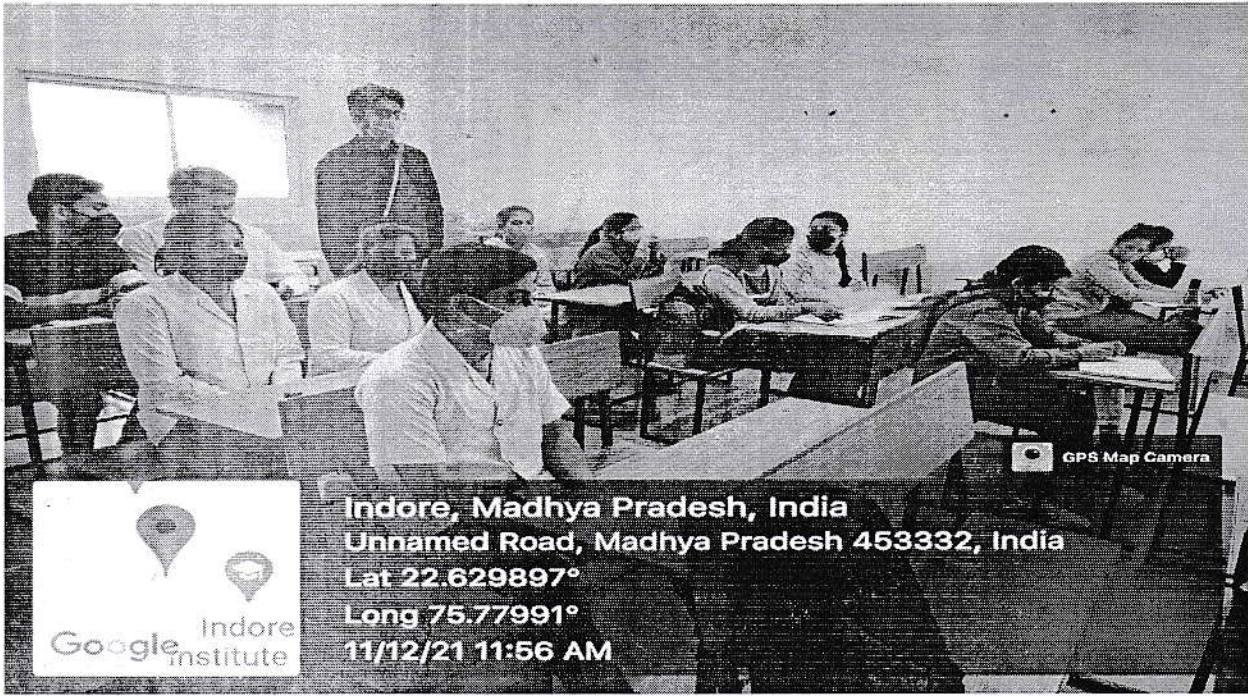


Indore, Madhya Pradesh, India  
Unnamed Road, Madhya Pradesh 453332, India  
Lat 22.6299°  
Long 75.779897°  
11/12/21 12:00 PM

GPS Map Camera

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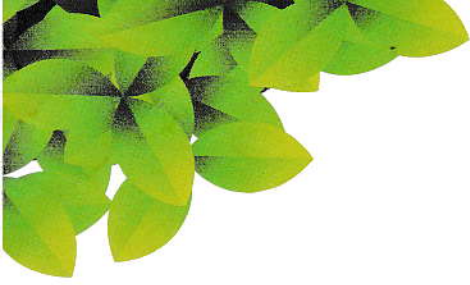
Indore, Madhya Pradesh, India  
Unnamed Road, Madhya Pradesh 453332, India  
Lat 22.629897°  
Long 75.77991°  
11/12/21 11:56 AM



  
Coordinator  
Mr. Kuldeep Vinchurkar

  
Principal  
Dr. Dinesh Kumar Mishra

Principal  
Indore Institute of Pharmacy,  
INDORE (M.P.)



*Thank you letter*

IIP/2021/6416

14/12/2021

To,  
**Mr. Huzefa**  
3D PROTOTYPERZ  
Indore

**Subject: Thank you letter for expert lecture on 3D printing**

Dear Sir,

We wanted to thank you for delivering an on “3D Printing” at Indore Institute of Pharmacy on 14/12/2021. When planning an event such as this, it is imperative to gain the participation of experts in the field. Thanks again for your willingness to share your time and expertise in the area. We wish you good luck for future endeavors.

Thanks, and Regards

Dr. Dinesh kumar Mishra  
Principal  
Indore Institute of Pharmacy

Principal  
Indore Institute of Pharmacy,  
INDORE (M.P.)

**NOTE SHEET**

IIP/ Notesheet.....

**Date: 15/03/2022**

To,

**The Principal  
IIP, Indore,**

**Subject: - Regarding approval of IIC Event Q2 at IIP**

Respected Sir,

With reference to above cited subject this is inform you Science Day Celebration are planned at IIP on 28<sup>th</sup> February, 2022 as a part of Q2 Event. In this regard an Expert Lecture of Mr. Pritam Siraskar, Managre Production, Glenmark Limited is planned. His resume is enclosed herewith.

I request you to kindly approve the conduct of this activity.

Submitted for approval.

Thanks

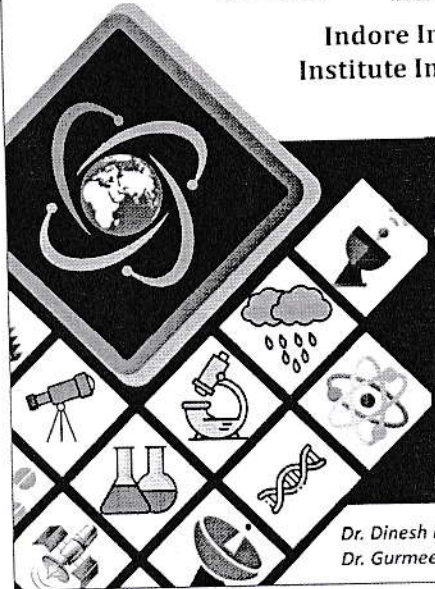
**Dr. Gurmeet Chhabra  
Prof. IIP**

Approved  
  
Principal  
Indore Institute of Pharmacy,  
INDORE (M.P.)



Indore Institute of Pharmacy | Indore Institute of Pharmacy (Indore Polytechnic)  
 Affiliated to - RGPV(Bhopal) & Approved by - AICTE(New Delhi) & PCI(New Delhi)

Indore Institute of Pharmacy  
 Institute Innovation Council (IIC)  
 Celebrates



# National Science Day

28 February

Expert Speaker:  
**Mr. Pritam Siraskar**  
 Manager Production  
 Glenmark Pharmaceuticals

Date - 28th Feb. 2022  
 Time - 3.00 - 4.00 PM

Dr. Dinesh K. Mishra (Principal, IIP)  
 Dr. Gurmeet Chhabra (HOD)

Dr. Nadeem Faoouqi (HOD)  
 Mr. Kuldeep Vinchurkar (President IIC, IIP Indore)



Tributes to Nobel Laureate  
 - Bharat Ratna -  
**Dr. C.V. Raman**  
 on  
**NATIONAL SCIENCE DAY**

Principal  
 Indore Institute of Pharmacy,  
 INDORE (M.P.)

# Indore Institute of Pharmacy

## Activity Report

Academic Year -2021-22

Session: Feb -May 2022

Name of Event: Guest lecture

Date of Event: 28<sup>th</sup> Feb. 2022, Topic: Fundamentals of Technology transfer and IPR

Organizing Dept.: Quality Assurance , Event Coordinator: Dr Gurmeet S. Chhabra

Name of Expert/Guest: Mr. Pritam Siraskar

Institute / Company: Glenmark Pharmaceutical Ltd., Pitampur

Designation: Production Manager , Department: Manufacturing

Address: Pithampur industrial area, indore (M.P)

Contact No.: 8989488517 , Email Id: [pritam.siraskar@glenmark.co.in](mailto:pritam.siraskar@glenmark.co.in)

### **Details of Participants:**

No. of Institutes Participated	No. of Students Participated	Department	No. of Industry Representative	Remark if any
		Ceotics/Cology/Cognosy/Chemistry		
01	65	Ceotics/QA/Chemistry/cology	01	

\*Please enclose a detailed list.

Also enclosed following details:

1. Approval Letter
2. Invitation card/Brochure / Leaflet (if printed by Institute or Organizing Partner) print/Social
3. Detailed summary on event. (Outcome)
4. Media Report (attach copy of newspaper)/ write-up for media/ FB write-up
5. Certificate / Letter (if printed by Institute or Organizing Partner)

  
HOD

  
Principal

Principal  
Indore Institute of Pharmacy,  
INDORE (M.P.)

- **Guest Speaker: Mr. Pritam Rajkumar Siraskar**  
**Production Manager**  
**Glenmark Pharmaceutical Limited**  
**Pithampur, Dhar**
- **Dated – 28<sup>th</sup> February 2022**
- **Topic: Technology transfer and IPR in Pharmaceutical Industry**
- **Students Present : D.Pharm (20) , B. Pharm. (30 ) & M. Pharm. (15)**

### Summary of Lecture:

In this lecture, our eminent speaker has discussed the basis of the technology transfer process in the pharma industry. He has conveyed some practical based case studies based on Technology transfer which helped the student to correlate their current knowledge with the industrial standard requirements. He emphasized that a successful tech transfer not only requires knowledge about products and processes but also knowledge about equipment, procedures, competencies, roles, and responsibilities are also required. He discussed that IP is the backbone to ensure the development of new drugs. It is extremely important to improvise patient care and spur economic growth. He has detailed in his lecture how to make a strong foundation and the various learning strategy for reaching a particular goal. The lecture was having more emphasis on the basic concept and practical aspects of learning.

This presentation will help the student to prepare better and be ready to become a successful Pharmaceutical person



*Thank you letter*

IIP/2021/

28/02/2022


To,  
**Mr. Pritam Siraskar**  
Manager Production  
Glenmark Limited, Indore

**Subject: Thank you letter for expert lecture on Science Day**

Dear Sir,

We wanted to thank you for delivering an on “**Fundamentals of Technology Transfer and IPR**” at Indore Institute of Pharmacy on 28/02/2022. When planning an event such as this, it is imperative to gain the participation of experts in the field. Thanks again for your willingness to share your time and expertise in the area. We wish you good luck for future endeavors.

Thanks, and Regards

  
Dr. Dinesh Kumar Mishra  
Principal  
Indore Institute of Pharmacy,  
Indore (M.P.)



### Manage Page

Indore Institute of Science & Technology (IIST)

- Meta Business Suite
  - Inbox
    - 3 new messages and 21 new comments
  - Planner
  - News Feed
- Home
- News Feed
  - 5 new
- Messenger tools

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### Videos

See all



14th February Let us all remember and s...  
41  
357 views · 3 weeks ago

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Indore Institute of Science & Technology (IIST)  
Published by Deepak Vishwakarma · 28 February at 18:59 ·

#IP #pharmacy #indore #institute #DPharm #BPharm #MPharm #college #pharmacywithpride #medicine #science #healthtech #pharmaceutics #chemistry #healthcare #education #student #NationalScienceDay

19 17 ↓ -2.6x lower Boost post

Principal  
Indore Institute of Pharmacy,  
INDORE (M.P.)

Impact Lecture Series 2022-23,  
Institution's Innovation Council 4.0  
MoE's Innovation Cell (MIC), AICTE

I. Guide line for conducting of impact lecture sessions and general conditions

- The impact session themes and lecture topics should be on innovation, entrepreneurship and IPR. And impact lectures should be delivered by external experts by inviting successful innovators, patent expert and entrepreneurs and resource persons from innovation and start-up ecosystem at the state/region/national level.
- Each Impact session should comprise two impact lectures to be delivered by two different experts on two different topics of minimum 1.5 hours' duration each and should be conducted on the same day of the session date.
- If IIC institution is organise two impact sessions, then there should be a minimum time gap of 10 days between two impact sessions.
- Impact sessions should be conducted in online mode.
- Impact sessions should be conducted after the announcement of results (or) notification issued in this regard to selected IIC institutions.
- IIC institute should get maximum participation by ensuring in-house participation of both students and faculty members and also inviting outside participants from other IIC institutions, Atal Tinkering Labs, Schools etc.
- IIC-Institutes are advised to carryout e-assessment and e-feedback (either by using google form or any other suitable medium) followed by the session to assess the understanding level of the participants.
- IIC Institute may issue e-certificates to the participants attending the session and have submitted e-assessment successfully. For this purpose, IIC-institute may use the MIC, AICTE and IIC logo in the certificate with IIC president as one of the signatory.
- Expenditure for the Impact session should be in accordance with the budget breakup given in the point VII based on the mode of conduct.

II. Funding Assistance from MIC/AICTE

Sr. No.	Budget Breakup	Amount (Online Mode)
1.	Honorarium to the Expert (s)	Rs6000/ Impact Session (@Rs3000/Expert/Day/Session)
2.	TA/DA	N.A
3.	Venue related expenditure including food and snacks etc.	N.A
Expense Amount per session ( two lectures)		Rs. 6,000/ Impact Session
Total Amount		Rs. 12,000/-(For 2 Impact Sessions)

**Note:** TDS should be deducted (as per income tax act) by the institute before releasing the Honorarium amount to the experts.



### III. Disbursement of the Funds

- MIC/AICTE will issue the Sanction Order and 100% of the sanctioned amount will be released in **reimbursement mode** to the account of the institute only.
- The grantee institution shall observe all financial norms and guidelines as prescribed by the AICTE/ Government of India from time to time. GOI GFR rules (@<https://doe.gov.in/order-circular/general-financial-rules2017-0>) should be followed during utilization of grant.

### IV. Report and Supporting Document Submission

- a. After conduct of the impact lecture session, institute has to fill up and submit report on the IIC portal and upload following documents:
- Copy of report of the sessions.
  - Feedback sheet of the participants.
  - Geotagged photographs (maximum 15) of the impact lecture session.
  - A video of 2-minute duration having:
    - (i) Introduction by Coordinator mentioning the name and state of institute.
    - (ii) Impact lecture session details and achievements attained through Conference
    - (iii) How the Impact lecture session was beneficial to students, faculty and institute?
    - (iv) Acknowledgement of AICTE/MIC support.
- b. IIC institution shall send hard copy of the report along with following supporting documents within prescribed period of the completion of impact lecture session.
- Audited Statement of Expenditure indicating expenditure incurred as per approved budget head (VIII) in the prescribed format and GFR-19 shall be submitted to the MIC/AICTE.
  - In case of Govt. institutions, original Statement of actual expenditure in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Finance Officer/Govt. Auditor.
  - (or) In case of self-financing/private institutions, Statement of actual Expenditure is required to be audited & signed by a Chartered Accountant (with membership no., full address & stamp). Formats are enclosed.
  - Copy of PAN Card of the institute, filled mandate form, Honorarium receipts & Proof of transaction
  - All documents shall be furnished to the AICTE/MIC immediately after completion of the scheme to the following Address:

The Innovation Officer,  
Room No.223, 2<sup>nd</sup> Floor  
MoE's Innovation Cell, AICTE HQ, Nelson Mandela Road  
New Delhi-110070.

### V. Use of Logos

- The impact lecture session events should prominently display the logos of MIC, AICTE and IIC in all promotion materials such as publicity materials/ advertisements/ brochures/ invitation cards/ any other collaterals/ event backdrop etc. and certificates.
- It is the responsibility of president of concern IIC institute to check and validate the proper and appropriate use of above logos for the said purpose only.





MoE's  
INNOVATION CELL  
(GOVERNMENT OF INDIA)



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of Education Initiative)


## List of IIC Institutions Selected for Organising Impact Lectures in Online Mode-Phase 2

Sr.No	IIC ID	Institute Name	State	Zone
26	IC201912145	Smt. Chandaben Mohanbhai Patel Institute of Computer Applications	Gujarat	Central/CRO
27	IC202116095	TAPI DIPLOMA ENGINEERING COLLEGE	Gujarat	Central/CRO
28	IC202116112	The Mandvi Education Society	Gujarat	Central/CRO
29	IC202116126	THE MANDVI EDUCATION SOCIETY	Gujarat	Central/CRO
30	IC202115600	UKA TARSADIA UNIVERSITY	Gujarat	Central/CRO
31	IC201811628	Veer Narmad South Gujarat University	Gujarat	Central/CRO
32	IC202116149	VIDHYADEEP INSTITUTE OF ENGINEERING	Gujarat	Central/CRO
33	IC201810518	VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE	Gujarat	Central/CRO
34	IC202116170	"R.K.D.F. College of Engineering,	Madhya Pradesh	Central/CRO
35	IC202116171	Bhabha Engineering Research	Madhya Pradesh	Central/CRO
36	IC202014996	BSSS College	Madhya Pradesh	Central/CRO
37	IC202216272	CHAMELI DEVI INSTITUTE OF PHARMACY	Madhya Pradesh	Central/CRO
38	IC202015135	Chamelidevi Group of Institutions	Madhya Pradesh	Central/CRO
39	IC202116202	Dr. A.P.J. ABDUL KALAM UNIVERSITY	Madhya Pradesh	Central/CRO
40	IC202015121	Indore Institute of Pharmacy	Madhya Pradesh	Central/CRO
41	IC202014590	Jaypee University of Engineering & Technology	Madhya Pradesh	Central/CRO
42	IC202014291	Lakshmi Narain College of Pharmacy	Madhya Pradesh	Central/CRO
43	IC202116200	LNCT University	Madhya Pradesh	Central/CRO
44	IC202014127	Madhav Science College	Madhya Pradesh	Central/CRO
45	IC202116176	Mata Gujari Mahila Mahavidyalaya,	Madhya Pradesh	Central/CRO



Browser tabs: Inbox - pankaj.dixit@mic.gov.in, MoE IIC - Search, MoE | MoE Innovation Cell, MoE Innovation Cell


URL: https://iic.mic.gov.in/institute/impactlectures



**IIC ID**  
IC202015121

**Indore Institute of Pharmacy (C-35938)**

Star Ratings: ★★★★★



- Ambassador
- Manage Pre-incubation / Incubation Details
- Articles shared from IIC Institute
- Notification
- Schemes / Programs for Participation
- Manage Mentor Mentee Program
- Impact Lecture
- Innovation Ambassador
- ATI School Linkage
- e-Learning Resources
- Innovation & Startups

### Impact Lecture Session Details

S.No.	Session	Title of lecture 1	Theme of lecture 1	Title of lecture 2	Theme of lecture 2	Mode of the session	Action
1	Session 1	Entrepreneurship: an act of becoming the boss of one's own destiny	Entrepreneurship	How to create and sell your ideas@startup	Startup	Online	<a href="#">Edit</a> <a href="#">Delete</a>
2	Session 2	Know the secrets of intellectual property rights	IPR	Applications of AI in the drug discovery and development	R&D and Innovation	Online	<a href="#">Edit</a> <a href="#">Delete</a>

#### QUICK LINKS

- ▶ Home
- ▶ Innovation Council
- ▶ SIH

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- ▶ Facebook
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#### CONTACT US

- ▶ www.mic.gov.in
- ▶ iic.mhrd@aicte-india.org
- ▶ 011 2958 1239/1513/1223

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211020408 A

(19) INDIA

(22) Date of filing of Application :05/04/2022

(43) Publication Date : 15/04/2022

(54) Title of the invention : PHYTOCHEMICAL SCREENING, ANTIMICROBIAL, AND ANTIOXIDANT FREE RADICAL SCAVENGING ACTIVITY OF ORTHOSIPHON PALLIDUS

(1) International classification :A61K0036530000, C12P0021060000, A61K0031155000, C12Q0001180000, A61P0031040000

(86) International Application No :NA

Filing Date :NA

(87) International Publication No :NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)Dr. Mukesh Kumar Singh

Address of Applicant :Associate Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad Uttar Pradesh, Pin Code: 244102

2)Dr. Gurdeep Singh

3)Dr. Deepak Kumar Basedia

4)Dr. Alok Singh Thakur

5)Dr. Ajit Kumar Pandey

6)Dr. Ritesh Patel

7)Mr. Sudeep Kumar Mandal

8)Dr. Asheesh Kumar Gupta

9)Dr. Arun Kumar Mishra

10)Dr. Amrita Mishra

11)Dr. Sushil Kumar

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Mukesh Kumar Singh

Address of Applicant :Associate Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad Uttar Pradesh, Pin Code: 244102

2)Dr. Gurdeep Singh

Address of Applicant :Associate Professor, School of Pharmaceutical Sciences, Lovely Professional University, Phagwara, Punjab, Pin Code: 144402

3)Dr. Deepak Kumar Basedia

Address of Applicant :Professor, Technocrats Institute of Technology-Pharmacy, Anand Nagar, BHEL, Bhopal, Madhya Pradesh, Pin Code: 462021

4)Dr. Alok Singh Thakur

Address of Applicant :Associate Professor, Shri Shankaracharya Institute of Pharmaceutical Sciences And Research, Junwani, Bhilai, Chhattisgarh, Pin Code: 490020

5)Dr. Ajit Kumar Pandey

Address of Applicant :Associate Professor, Shri Shankaracharya Technical Campus, Faculty of Pharmaceutical Sciences, Junwani, Bhilai, Chhattisgarh, Pin Code: 490020

6)Dr. Ritesh Patel

Address of Applicant :Associate Professor, Department of Pharmaceutical Sciences, Indore Institute of Pharmacy, Indore, Madhya Pradesh, Pin Code: 453331

7)Mr. Sudeep Kumar Mandal

Address of Applicant :Assistant Professor, Faculty of Pharmacy, Kalinga University, Near Mantralaya, Kotni, Raipur, Chhattisgarh, Pin Code: 492101

8)Dr. Asheesh Kumar Gupta

Address of Applicant :Associate Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102

9)Dr. Arun Kumar Mishra

Address of Applicant :Professor, Central Facility of Instrumentation, Pharmacy Academy, IFTM University, Lodipur-Rajput Delhi Road, NH-24, Moradabad, Uttar Pradesh, Pin Code: 244102

10)Dr. Amrita Mishra

Address of Applicant :Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102

11)Dr. Sushil Kumar

Address of Applicant :Professor & Director, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102

(57) Abstract :

The present invention relates to a preparation of ethanolic extract of Orthosiphon pallidus(OPEE) and evaluation for their anti-microbial and anti-oxidant activity. Antimicrobial activity was investigated by using agar well diffusion method The antioxidant activity of OPEE was investigated using various in-vitro models such as 1,1-diphenyl-2-picrylhydrazyl (DPPH), total antioxidant activity, metal chelating activity, superoxide, hydroxyl, nitric oxide and total reducing power. Results showed that the ethanolic extract was found potent in all in-vitro models. Wherein the ethanolic extract showed the significant scavenging activity against iron chelating activity. It also significantly inhibited hydroxyl & superoxide radicals. Results revealed that the bacterial strain showed highest MIC when compared to fungal strain. The antimicrobial activity of OPEE as estimated by MIC was found nearly equivalent to standard drug Chlorhexidine when used against Staphylococcus aureus, Streptococcus mutans, Bacillus coagulans and Candida albicans.

No. of Pages : 18 No. of Claims : 8



R

Sibutramine  
(Standard drug)

**FORM 2**

**THE PATENTS ACT 1970 (39 of 1970)**

**AND**

**The Patents Rules, 2003**

**COMPLETE SPECIFICATION**

(See section 10 and rule 13)

**TITLE OF THE INVENTION**

**SYNTHESIS OF CHALCONE, ITS CYCLIC DERIVATIVES OF  
ISOXAZOLE AND PYRAZOLE AND EVALUATION OF ANTI-  
OBESITY ACTIVITY**

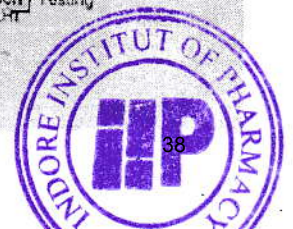
**APPLICANT:**

<b>Name in Full</b>	Bhagyashree Agrawal
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	Assistant Professor, LCIT School of Pharmacy, Bodari, Near High Court, Bilaspur, Chhattisgarh, Pin Code: 495220
<b>Name in Full</b>	Dr. Virendra Kumar Patel
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	RKDF University, Airport Bypass Road, Bhopal
<b>Name in Full</b>	Mr. Dimak Chand Sahu
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	Assistant Professor, J K College of Pharmacy, Near Gatora Railway Station, Bilaspur, Chhattisgarh, Pin Code: 495001
<b>Name in Full</b>	Dr. Vibhor Kumar Jain
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	Principal, J K Institute of Pharmaceutical Education and Research, Vill. Farhada, Bilaspur, Chhattisgarh, Pin Code: 495001
<b>Name in Full</b>	Mr. Mohd. Akhtar Rasool
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India

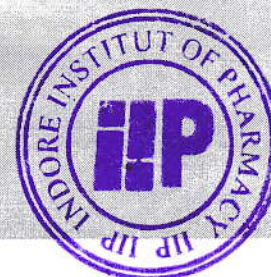
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Signature Not Verified

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Name: AMRISH CHANDRA  
Date: 24-Aug-2022 15:05:20  
Reason: Reason Testing  
Location: DELHI



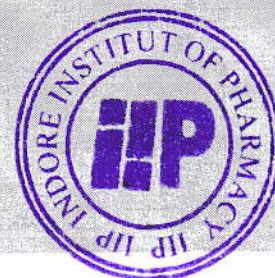
<b>Address of the Applicant</b>	Assistant Professor, J K College of Pharmacy, Near Gatora Railway Station, Bilaspur, Chhattisgarh, Pin Code: 495001
<b>Name In Full</b>	Dr. Bindu Jain
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	Professor, J K College of Pharmacy, Near Gatora Railway Station, Bilaspur, Chhattisgarh, Pin Code: 495001
<b>Name In Full</b>	Dr. Arin Bhattacharya
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	Assistant Professor, J K College of Pharmacy, Near Gatora Railway Station, Bilaspur, Chhattisgarh, Pin Code: 495001
<b>Name In Full</b>	Mrs.Niharika Thakur
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	Truba Institute of Pharmacy, karond bypassroad, Gandhinagar, Bhopal, Pin Code: 462038
<b>Name In Full</b>	DR. RITA MOURYA
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	School of Pharmacy, SAM Global University Kolua, Gram Adampur Chawni, Raisen Road, Bhopal, Madhya Pradesh.
<b>Name In Full</b>	MR. SHOBHITSHRIVASTAVA
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	Bansal College of Pharmacy, Kokta Anand Nagar, Bhopal, Madhya Pradesh, Pin Code: 462021
<b>Name In Full</b>	Dr. Gurdeep Singh
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	Associate Professor, School of Pharmaceutical Sciences, Lovely Professional University, Phagwara, 958-A, Surya Enclave, Jalandhar, Punjab- 144002
<b>Name In Full</b>	RITESH PATEL
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
	Assistant Professor, Indore Institute of Pharmacy,





Address of the Applicant	Indore, 29/4 Pipliya Rao, Indrapuri Colony, Bhwaroksa Behind Bholaram Ustad Marg, Indore, Pin Code: 452001
Name in Full	Dr. Pawan Tiwari
Nationality	Indian
Country of Residence	India
Address of the Applicant	Professor, Shambhunath Institute of Pharmacy, Jhalwa Prayagraj, Uttar Pradesh, Pin Code: 211012

The following specification particularly describes the invention and the manner in which it is to be performed.



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application : 18/03/2022

(21) Application No. 202231015019 A

(43) Publication Date : 08/04/2022

(54) Title of the invention : MICROWAVE MEDIATED SYNTHESIS AND CYTOTOXIC EVALUATION OF NOVEL SUBSTITUTED S-TRIAZINE DERIVATIVES

(31) International classification : C07D0251700000, C07K0005047000, C07D0519000000, G16B0005000000, C07D0303200000

(36) International Application No : NA  
Filing Date : NA

(37) International Publication No : NA

(51) Patent of Addition to Application Number : NA  
Filing Date : NA

(52) Divisional to Application Number : NA  
Filing Date : NA

(71) Name of Applicant -  
1) Dr. Deepak Kumar Basodia  
Address of Applicant : Technocrats Institute of Technology-Pharmacy  
Anand Nagar, BHEL, Bhopal (M.P.) 462021, India

2) Dr. Ashish Jain  
Name of Applicant : NA  
Address of Applicant : NA

(72) Name of Inventor :-  
1) Dr. Deepak Kumar Basodia  
Address of Applicant : Technocrats Institute of Technology-Pharmacy  
Anand Nagar, BHEL, Bhopal (M.P.) 462021, India

2) Dr. Balkrishna Dubey  
Address of Applicant : Technocrats Institute of Technology-Pharmacy  
Anand Nagar, BHEL, Bhopal (M.P.) 462021, India

3) Dr. Ashish Jain  
Address of Applicant : School Of Pharmacy, LNCT University, Kolar  
road Bhopal, MP

4) Mr. Vivek Singh Thakur  
Address of Applicant : TIT-College of Pharmacy, Anand Nagar, BHEL,  
Bhopal (M.P.) 462021, India

5) Mr. Ritesh Patel  
Address of Applicant : Department of pharmaceutical sciences, Indian  
institute of pharmacy indore (M.P.) 453331, India

6) Dr. Gurdeep Singh  
Address of Applicant : School of Pharmaceutical Science Lovely  
Professional University Phagwara, Punjab, 144411, India

7) Dr. Mukesh Kumar Singh  
Address of Applicant : School of pharmaceutical Sciences, IFTM  
University, Moradabad Uttar Pradesh 244102, India

8) Mr. Sudeep Kumar Mandal  
Address of Applicant : Faculty of Pharmacy, Kalings University Near  
Mantralaya, Village- Kotni, Raipur (C.G.) 492101, India

(57) Abstract

The present work deals with Microwave mediated synthesis of 2,4,6-triamino-1,3,5-triazine derivatives based on stepwise nucleophilic substitution of cyano group in cyanuric acid at different temperatures with various amines. The study of the comparison of the obtained results of the microwave mediated irradiation and conventional heat method was carried and found that microwave mediated synthesis process increased the yield of products and reactions were completed in lesser time. So the MW irradiation method is better approach for synthesis 1,3,5 triazine derivatives. The procedure of synthesis is simple, lesser time consuming with higher yield. 1,3,5-triazine derivatives also exhibited anti-ulcer, anti-inflammatory, anti-depressant and antiviral activities. All the synthesized derivatives of 2,4,6-triamino-1,3,5-triazine derivative were synthesized and confirmed by physical and spectral analysis. The synthesized compounds were characterized by IR, <sup>1</sup>HNMR and Mass spectral data. All the synthesized compounds show characteristic absorption peaks in IR and NMR spectra. Expected molecular ion peak (M<sup>+</sup>) fragments were observed for the entire compounds in mass spectra. Cancer is one of the most prominent human diseases which has enthused scientific and commercial interest in the discovery of novel anticancer agents from synthesized derivatives. Cytotoxic activity was carried out against breast cancer cell lines. It is found that all the synthesized compounds have significant cytotoxic activity against both MCF-7 and T47D breast cancer cell lines using MTT assay method. *In vitro* cytotoxic activity of synthesized compounds was carried out by MTT assay method using two breast cancer cell lines (MCF-7, T47D). All the synthesized compounds have significant cytotoxic activity. Newly synthesized compounds have shown promising anticancer activity.

No. of Pages : 17 No. of Claims : 5



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202121017236 A

(19) INDIA

(22) Date of filing of Application :13/04/2021

(43) Publication Date : 23/04/2021

(54) Title of the invention : PROCESS FOR FABRICATION OF LABORATORY SCALE MICRONEEDLES

(51) International classification :A61M0037000000,  
A61K0009000000,  
A61B0017200000,  
B81C0001000000,  
A61B0005145000

(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
2) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

1)Dr. Dinesh Kumar Mishra

Address of Applicant :Indore Institute of Pharmacy, Rau-  
Pithampur Road, Indore (MP) 453331, India . Madhya Pradesh  
India

2)Sainath Sahebrao Sindhikar

3)Dr. Pankaj V. Dixit

4)Dr. Sanjay Sharma

(72)Name of Inventor :

1)Dr. Dinesh Kumar Mishra

2)Sainath Sahebrao Sindhikar

3)Dr. Pankaj V. Dixit

4)Dr. Sanjay Sharma

(57) Abstract :

PROCESS FOR FABRICATION OF LABORATORY SCALE MICRONEEDLES Microneedle devices are provided for the transport of therapeutic and biological molecules across tissue barriers. In a preferred embodiment for transport across the tissue, the microneedles are formed of a biodegradable polymer. A preferred method for making a microneedle at a laboratory scale includes creating a micro mold out of commonly used chemical beeswax, and an impregnation device, an array made from stainless steel needles fixed on a solid support that defines the exhibition. In a preferred method of use, the microneedle or microneedle array is formed by pumping the molten polymer solution containing the active at a pressure of 1.2-1.5 Pascal via a syringe-like device onto the micro mold described, allowing it to solidify and then removing the microneedles from the mold with the aid of an adhesive material thereof. Representative examples of these mean include the use of actives, biological materials, and siliconized polymers.

No. of Pages : 13 No. of Claims : 7



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202121009047 A

(19) INDIA

(22) Date of filing of Application :04/03/2021

(43) Publication Date : 02/04/2021

(54) Title of the invention : APPARATUS AND METHOD FOR STUDYING ABSORPTION KINETICS OF CHEMICALS ACROSS EVERTED AND NORMAL INTESTINE PIECES OF LABORATORY ANIMALS

(51) International classification	:G01N0033500000, G01N0015080000, C12Q0001040000, A01K0001030000, G01N0005020000	(71)Name of Applicant : <b>1)Dr. Pankaj V. Dixit</b> Address of Applicant :Department of Pharmacology, Indore Institute of Pharmacy, Rau-Pithampur Road, Indore (MP) 453331, India Madhya Pradesh India
(31) Priority Document No	:NA	<b>2)Dr. Dinesh Kumar Mishra</b>
(32) Priority Date	:NA	<b>3)Dr. Sanjay Sharma</b>
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)Dr. Pankaj V. Dixit</b>
Filing Date	:NA	<b>2)Dr. Dinesh Kumar Mishra</b>
(87) International Publication No	:NA	<b>3)Dr. Sanjay Sharma</b>
( ) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

APPARATUS AND METHOD FOR STUDYING ABSORPTION KINETICS OF CHEMICALS ACROSS EVERTED AND NORMAL INTESTINE PIECES OF LABORATORY ANIMALS. An apparatus for rapid estimation of compound absorption in a controlled environment that closely resembles in-vivo conditions. The apparatus is H-shaped, with two vertical hollow tubes attached by reliable horizontal support. The hollow tubes at one end are bulged to allow intestinal tissue to mount in the form of an un-everted or everted intestinal segment or tubular artificial membrane, and the other end is open to air covered with a lid and has a scope of introducing siliconized tube for air entry. After tissue mounting, the setup is put in a 250 ml vessel containing physiological salt solution, preferably but not limited to Krebs solution for easily dissolving compounds whose absorption study is to be performed. In the everted state, the inside of the apparatus, which also holds Krebs solution, serves as the mucosal compartment, and the outer side serves as the serosal compartment. 500-700 µl of serosal fluid is sampled every five minutes for one hour and analyzed for the compound of interest. The concentration is plotted against time to get a graphical representation of the data and then used to calculate apparent permeability. FIGURE 1

No. of Pages : 16 No. of Claims : 9



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 Department of Industrial Policy & Promotion,  
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 भारत सरकार, नई दिल्ली

(<http://ipindia.nic.in/index.htm>)

#### Application Details

APPLICATION NUMBER	202121041523
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/09/2021
APPLICANT NAME	1 . Mr. Vipin Kumar Wani 2 . Mr. Dimak Chand Sahu 3 . Mr. Mohd. Akhtar Rasool 4 . Dr. Vibhor Kumar Jain 5 . Dr. Bindu Jain 6 . Dr . Amit Joshi 7 . Mr. Deepesh Lall 8 . Pritesh Paliwal 9 . Gaurav Goyanar 10 . Mr. Mangi Lal Choudhary 11 . Darshan Jamindar 12 . Dr. Brajesh Kumar Arjariya
TITLE OF INVENTION	EVALUATION OF ACUTE TOXICITY PROFILE, BIOCHEMICAL PARAMETERS ANTIHYPERGLYCEMIC ACTIVITY OF MUKIA MADERASPATANA IN ANIMAL MODEL.
FIELD OF INVENTION	FOOD
E-MAIL (As Per Record)	info@lexgin.com
ADDITIONAL-EMAIL (As Per Record)	chandra.amrish@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	29/10/2021



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(19) INDIA

(22) Date of filing of Application : 18/03/2022

(21) Application No. 302221015019 A

(43) Publication Date : 08/04/2022

(54) Title of the invention : MICROWAVE MEDIATED SYNTHESIS AND CYTOTOXIC EVALUATION OF NOVEL  
SUBSTITUTED S-TRIAZINE DERIVATIVES

(51) International classification : C07D231700000, C07K0905087000,  
C07D231900000, C16B0005000000,  
C07D2313320000

(56) International Application No. : NA  
Filing Date : NA

(57) International Publication No. : NA

(61) Patent of Addition to Application Number : NA  
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(62) Divisional to Application Number : NA  
Filing Date : NA

(71) Name of Applicant :  
1) Dr. Deepak Kumar Basedia  
Address of Applicant : Technocrats Institute of Technology-Pharmacy,  
Anand Nagar, BHIL, Bhopal (M.P) 462021, India

2) Dr. Ashish Jain  
Name of Applicant : NA  
Address of Applicant : NA

(72) Name of Inventor :  
1) Dr. Deepak Kumar Basedia  
Address of Applicant : Technocrats Institute of Technology-Pharmacy,  
Anand Nagar, BHIL, Bhopal (M.P) 462021, India

2) Dr. Balkrishna Dubey  
Address of Applicant : Technocrats Institute of Technology-Pharmacy,  
Anand Nagar, BHIL, Bhopal (M.P) 462021, India

3) Dr. Ashish Jain  
Address of Applicant : School Of Pharmacy, LNCT University, Kolar  
road Bhopal, MP

4) Mr. Vivek Singh Thakur  
Address of Applicant : JIT College of Pharmacy, Anand Nagar, BHIL,  
Bhopal (M.P) 462021, India

5) Mr. Ritesh Patel  
Address of Applicant : Department of pharmaceutical sciences, Indore  
institute of pharmacy, Indore (M.P) 453331, India

6) Dr. Gurdeep Singh  
Address of Applicant : School of Pharmaceutical Science Lovely  
Professional University Phagwara, Punjab, 144411, India

7) Dr. Mukesh Kumar Singh  
Address of Applicant : School of pharmaceutical Sciences, IPTM  
University, Moradabad Uttar Pradesh-244102, India

8) Mr. Sudeep Kumar Mandal  
Address of Applicant : Faculty of Pharmacy Kalings University, Near  
Mantralaya, Village- Kotni, Raipur (C.G.) 492101, India

(57) Abstract

The present work deals with Microwave mediated synthesis of 2,4,6-triamino-1,3,5-triazine derivatives based on stepwise nucleophilic substitution of chlorine group in cyanuric acid at different temperatures with various amines. The study of the comparison of the obtained results of the microwave mediated irradiation and conventional heat method was carried and found that microwave mediated synthesis process increased the yield of products and reactions were completed in lesser time. So the MW irradiation method is better approach for synthesis 1,3,5-triazine derivatives. The procedure of synthesis is simple, lesser time consuming with higher yield. 1,3,5-triazine derivatives also exhibited anti-ulcer, anti-inflammatory, anti-depressant and antiviral activities. All the synthesized derivatives of 2,4,6-triamino-1,3,5-triazine derivative were synthesized and confirmed by physical and spectral analysis. The synthesized compounds were characterized by IR, <sup>1</sup>HNMR and Mass spectral data. All the synthesized compounds show characteristic absorption peaks in IR and <sup>1</sup>HMR spectra. Expected molecular ion peak (M<sup>+</sup>) fragments were observed for the entire compounds in mass spectra. Cancer is one of the most prominent human diseases which has enthused scientific and commercial interest in the discovery of newer anticancer agents from synthesized derivatives. Cytotoxic activity was carried out against breast cancer cell lines. It is found that all the synthesized compounds have significant cytotoxic activity against both MCF-7 and T47D breast cancer cell lines using MTT assay method. In vitro cytotoxic activity of synthesized compounds was carried out by MTT assay method using two breast cancer cell lines (MCF-7, T47D). All the synthesized compounds have significant cytotoxic activity. Newly synthesized compounds have shown promising anticancer activity.

No. of Pages : 17 No. of Claims : 5

The Patent Office Journal No. 14/2022 Dated 08/04/2022

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(21) Application No.202211020408 A

(19) INDIA

(22) Date of filing of Application :05/04/2022

(43) Publication Date : 15/04/2022

(54) Title of the invention : PHYTOCHEMICAL SCREENING, ANTIMICROBIAL, AND ANTIOXIDANT FREE RADICAL SCAVENGING ACTIVITY OF ORTHOSIPHON PALLIDUS

(51) International classification :A61K0036530000, C12P0021060000, A61K0031155000, C12Q0001180000, A61P0031040000  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

1)Dr. Mukesh Kumar Singh  
Address of Applicant :Associate Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad Uttar Pradesh, Pin Code: 244102 -----

2)Dr. Gurdeep Singh  
3)Dr. Deepak Kumar Basedia  
4)Dr. Alok Singh Thakur  
5)Dr. Ajit Kumar Pandey  
6)Dr. Ritesh Patel  
7)Mr. Sudeep Kumar Mandal  
8)Dr. Asheesh Kumar Gupta  
9)Dr. Arun Kumar Mishra  
10)Dr. Amrita Mishra  
11)Dr. Sushil Kumar

Name of Applicant : NA  
Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Mukesh Kumar Singh  
Address of Applicant :Associate Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad Uttar Pradesh, Pin Code: 244102 -----

2)Dr. Gurdeep Singh  
Address of Applicant :Associate Professor, School of Pharmaceutical Sciences, Lovely Professional University, Phagwara, Punjab, Pin Code: 144402 -----

3)Dr. Deepak Kumar Basedia  
Address of Applicant :Professor, Technocrats Institute of Technology-Pharmacy, Anand Nagar, BHEL, Bhopal, Madhya Pradesh, Pin Code: 462021 -----

4)Dr. Alok Singh Thakur  
Address of Applicant :Associate Professor, Shri Shankaracharya Institute of Pharmaceutical Sciences And Research, Junwani, Bhilai, Chhattisgarh, Pin Code: 490020 -----

5)Dr. Ajit Kumar Pandey  
Address of Applicant :Associate Professor, Shri Shankaracharya Technical Campus, Faculty of Pharmaceutical Sciences, Junwani, Bhilai, Chhattisgarh, Pin Code: 490020. -----

6)Dr. Ritesh Patel  
Address of Applicant :Associate Professor, Department of Pharmaceutical Sciences, Indore Institute of Pharmacy, Indore, Madhya Pradesh, Pin Code: 453331 -----

7)Mr. Sudeep Kumar Mandal  
Address of Applicant :Assistant Professor, Faculty of Pharmacy, Kalinga University, Near Mantralaya, Kotni, Raipur, Chhattisgarh, Pin Code: 492101 -----

8)Dr. Asheesh Kumar Gupta  
Address of Applicant :Associate Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102. -----

9)Dr. Arun Kumar Mishra  
Address of Applicant :Professor, Central Facility of Instrumentation, Pharmacy Academy, IFTM University, Lodipur-Rajput Delhi Road, NH-24, Moradabad, Uttar Pradesh, Pin Code: 244102 -----

10)Dr. Amrita Mishra  
Address of Applicant :Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102. -----

11)Dr. Sushil Kumar  
Address of Applicant :Professor & Director, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102. -----

(57) Abstract :

The present invention relates to a preparation of ethanolic extract of Orthosiphon pallidus(OPEE) and evaluation for their anti-microbial and anti-oxidant activity. Antimicrobial activity was investigated by using agar well diffusion method The antioxidant activity of OPEE was investigated using various in-vitro models such as 1,1-diphenyl-2-picrylhydrazyl (DPPH), total antioxidant activity, metal chelating activity, superoxide, hydroxyl, nitric oxide and total reducing power. Results showed that the Ethanolic extract was found potent in all in-vitro models. Wherein the ethanolic extract showed the significant scavenging activity against iron chelating activity. It also significantly inhibited hydroxyl & superoxide radicals. Results revealed that the bacterial strain showed highest MIC when compared to fungal strain. The antimicrobial activity of OPEE as estimated by MIC was found nearly equivalent to standard drug Chlorhexidine when used against Staphylococcus aureus, Streptococcus mutans, Bacillus coagulans and Candida albicans.

No. of Pages : 18 No. of Claims : 8



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**FORM 2**  
**THE PATENTS ACT 1970 (39 of 1970)**  
**AND**  
**The Patents Rules, 2003**  
**COMPLETE SPECIFICATION**  
 (See section 10 and rule 13)

*Sibutramine  
 (Standard drug)*

**TITLE OF THE INVENTION**

**SYNTHESIS OF CHALCONE, ITS CYCLIC DERIVATIVES OF  
 ISOXAZOLE AND PYRAZOLE AND EVALUATION OF ANTI-  
 OBESITY ACTIVITY**

**APPLICANT:**

<b>Name in Full</b>	Bhagyashree Agrawal
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	Assistant Professor, LCIT School of Pharmacy, Bodari, Near High Court, Bilaspur, Chhattisgarh, Pin Code: 495220
<b>Name in Full</b>	Dr. Virendra Kumar Patel
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	RKDF University, Airport Bypass Road, Bhopal
<b>Name in Full</b>	Mr. Dimak Chand Sahu
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	Assistant Professor, J K College of Pharmacy, Near Gatora Railway Station, Bilaspur, Chhattisgarh, Pin Code: 495001
<b>Name in Full</b>	Dr. Vibhor Kumar Jain
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	Principal, J K Institute of Pharmaceutical Education and Research, Vill. Farhada, Bilaspur, Chhattisgarh, Pin Code: 495001
<b>Name in Full</b>	Mr. Mohd. Akhtar Rasool
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India

1

Signature Not Verified

Digitally Signed:  
 Name: AMRISH CHANDRA  
 Date: 24-Aug-2021 15:05:20  
 Reason: Reason: Testing  
 Location: DELHI





<b>Address of the Applicant</b>	Assistant Professor, J K College of Pharmacy, Near Gatora Railway Station, Bilaspur, Chhattisgarh, Pin Code: 495001
<b>Name in Full</b>	Dr. Bindu Jain
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	Professor, J K College of Pharmacy, Near Gatora Railway Station, Bilaspur, Chhattisgarh, Pin Code: 495001
<b>Name in Full</b>	Dr. Arin Bhattacharya
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	Assistant Professor, J K College of Pharmacy, Near Gatora Railway Station, Bilaspur, Chhattisgarh, Pin Code: 495001
<b>Name in Full</b>	Mrs.Niharika Thakur
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	Truba Institute of Pharmacy, karond bypassroad, Gandhinagar, Bhopal, Pin Code: 462038
<b>Name in Full</b>	DR. RITA MOURYA
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	School of Pharmacy, SAM Global University Kolua, Gram Adampur Chawni, Raisen Road, Bhopal, Madhya Pradesh.
<b>Name in Full</b>	MR. SHOBHITSHRIVASTAVA
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	Bansal College of Pharmacy, Kokta Anand Nagar, Bhopal, Madhya Pradesh, Pin Code: 462021
<b>Name in Full</b>	Dr. Gurdeep Singh
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	Associate Professor, School of Pharmaceutical Sciences, Lovely Professional University, Phagwara, 958-A, Surya Enclave, Jalandhar, Punjab- 144002
<b>Name in Full</b>	RITESH PATEL
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
	Assistant Professor, Indore Institute of Pharmacy,



<b>Address of the Applicant</b>	Indore, 29/4 Pipliya Rao, Indrapuri Colony, Bhawarkua Behind Bholaram Utad Marg, Indore, Pin Code: 452001
<b>Name in Full</b>	Dr. Pawan Tiwari
<b>Nationality</b>	Indian
<b>Country of Residence</b>	India
<b>Address of the Applicant</b>	Professor, Shambhunath Institute of Pharmacy, Jhalwa Prayagraj, Uttar Pradesh, Pin Code: 211012

**The following specification particularly describes the invention and the manner in which it is to be performed.**

