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## SCHOOL OF PHARMACY & RESEARCH

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### POPULAR LECTURE IN BIOTECHNOLOGY

### REPORT

School of Pharmacy and Research, People's University, Bhopal and Department of Biotechnology (DBT), Ministry of Science and Technology jointly successfully organized “**Popular Lecture in Biotechnology**” on 22<sup>nd</sup> February 2020 at PCMS Auditorium, People's University Bhopal.

The popular lectures in biotechnology by experts are organised for students from schools, colleges, University and also for general public to bring general awareness among them about the basic concept, recent advances and potential of modern biology and Biotechnology. This scheme is one of the most important schemes supported by DBT to bring exposure of biotechnological sciences. School of Pharmacy & Research, People's University was fortunate to get an opportunity to organise such a great event with the help of DBT. This lecture series being the most innovative event, aims to provide an open and stimulating scientific exchange that will give all the participants a good opportunity to share their experiences, Foster collaboration across industry and academia and evaluate emerging technologies in various aspect of biology and Biotechnology.

According to nature of this event, the lectures series was consist of sessions of renowned experts who shared their knowledge about biotechnology and related areas. On Saturday 22<sup>nd</sup> of February 2020, programme was inaugurated in presence of Chief Guest Honourable Cabinet Minister of Law and Legal Affairs Department, Public Relations Department, Science and Technology Department, Department of Civil Aviation Government of Madhya Pradesh **Shri P. C. Sharma**. This lecture series was the meeting of scientists, researchers, students and teachers working in the field of Biotechnology, Pharmaceutical Research and development and also who is aspirant to join field of biotechnology.



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Overwhelming response was received from various educational science institutions across the Madhya Pradesh. Event was registered by 330 participants from various school and colleges of Madhya Pradesh. The very first speaker of series was **Dr. R.K. Garg, Joint Project Director & In-charge , Centre of Excellence in Biotechnology , M.P. COUNCIL OF SCIENCE AND TECHNOLOGY , Bhopal.** Topic of his lecture was “**Role of Biotechnology in Health Nutrition**”. Dr Garg started his presentation by giving basic knowledge about biotechnology, major fields of biotechnology, how biotechnology is advancing modern health care and application of biotechnology in nutrition. Later in his presentation he covered in detail various mechanism of biotechnological approaches, concept of genome, central dogma of molecular biology, about functional genomics i.e. gene expression & measuring and important plant and animal genome database. The last part of his deliberation is quite interesting and informative as he covered various educational possibilities for students in field of life sciences. He gave insight about career in research, Industry employment, service industry and 100% placement in clinical research industry. Dr Garg created awareness amongst students about various initiatives taken by government under Skill India programme. Also discussed the role of NSDC (National skill development corporation), LSSSDC (life sciences sector skill development council), ASCI (Agriculture skill council of India) and FICSI (Food Industry capacity and skill initiative). Speaker of second scientific session was **Dr. Richa Jain, Scientist Centre for Scientific Research and Development, People's University, Bhopal.** Topic of her lecture was “**Therapeutic Magic Seeds-Stem Cells**”. Dr Jain describe about stem cells and there magical nature of self-renewing and differentiating. She also spoke about various types of steam cells. Latter in her presentation she highlighted the difference between cloning and therapeutic cloning, also there application part. After second session there was a break of 30 mins for high tea and after that third scientific session started.



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In last session speaker was **Dr. Amit Kumar Goyal, Professor & Head Department of Pharmacy, School of Chemical Sciences and Pharmacy Central University of Rajasthan**. He spoke on “**Nanotechnology for Delivery of Biotherapeutics**”. Dr Goyal started his presentation by addressing question that -Why will new means of nanopharmaceuticals delivery be of interest?

He described how one can design functional nanocolloidal carrier and these nanodevices can be used to deliver drug in body. Now a days treatment of cancer is main focus of scientific community, Dr Goyal highlighted that how these nanodrug delivery could improve cancer treatment. In last he discussed that how these nano systems making bridge between nanotechnology and biotechnology to deliver vaccines and genetic materials. After that all the participants had panel discussion and gave there feedback about the programme. Students and teachers from different colleges of Bhopal and Madhya Pradesh showed their excellent participation in this event. This event is important because it covered all the topics relevant to the pursuit of emerging trends and technologies in biotechnology. At the end of the programme in the valedictory **Dr. Neeraj Upmanyu Principal SOP&R**, People's University extended his gratitude towards Chief Guests, dignitaries and to Department of Biotechnology for their continuous support and encouragement for making this event successful. The one day event of “Popular Lecture in Biotechnology” was concluded with vote of thanks delivered by **Dr Rupal Dubey, Course Coordinator of Programme** and Associate Professor at SOP&R, People's University, Bhopal. The event was a great Success!



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### DETAIL OF GRANT RELEASED FOR POPULAR LECTURES

#### Utilization Certificate for the grant released for Popular Lectures

1. **Name of the Organization** :  
School of Pharmacy and Research, People's University, Bhopal
2. **Coordinator** : Dr. Rupal Dubey
3. **DBT Proposal No** : DBT/CTEP/04/20190950342
4. **Date of sanction** : 23<sup>rd</sup> September, 2019
5. **Amount sanctioned by DBT** : As per DBT-CTEP norms
6. **Titles of the Lectures**
  - i) Lecture –I – "Nanotechnology for Delivery of Bio-therapeutics"
  - ii) Lecture II—"Role of Biotechnology in Health Nutrition"
  - iii) Lecture –III--"Therapeutic Magic Seeds-Steam Cells"
7. **Actual Expenditure Incurred (Statement of Expenditure uploaded)** : 27,341/-
8. **Unspent balance refunded (Please give details of cheque No. etc.)** : NIL

Certified that the amount of Rs. 27,341/- (Rupees Twenty Seven Thousand, Three Hundred Forty one only) mentioned against Col.4 has been utilized on the Scheme for the purpose for which it was sanctioned and that the balance of Rs. NIL remaining unutilized amount has been refunded to Department of Biotechnology (vide letter No DBT/CTEP/04/20190950342, dated 23<sup>rd</sup> September, 2019)



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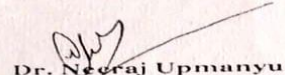
Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised:

1. NIL
2. NIL
3. NIL



Dr. Rupal Dubey  
Course Coordinator



Dr. Neeraj Upmanyu  
Head of Institute  
(With seal)

School of Pharmacy & Research  
(Formerly People's Institute of Pharmacy & Research Centre)

People's University, Bhopal (M.P.)

In case of Private Institute /Private University/NGO, to be audited by Chartered Accountant with seal.



Finance Accounts Officer  
(With seal)



Chartered Accountant  
(With seal)

UDIN: 28077278AAAAA91319

