



**Shiv Chhatrapati Shikshan Sanstha's**  
**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**  
**Department of Biotechnology and Food Processing Technology**  
**A) Summary Report**

1) Title of Programme:		National Seminar on : Journey of Drug: from Discovery to Development		
2) Name of Organizing Department/Unit:		Biotechnology and Food Processing Technology		
3) Name of the Coordinator(s)/ Convener(s)/ Organizer(s) of the Programme:		Chairperson: Dr. M. H. Gavhane  Vice-Principal: Dr. A. J. Raju & Prof. S. N. Shinde  Head: Dr. S. S. Kulkarni, Convener: Dr. M.A.Dhotre		
4) Date(s) of the Programme:		23 <sup>rd</sup> September 2021		
5) Venue/ Mode		Online Microsoft Team		
6) Target Group:		U. G & P. G Students		
7) Number of Participants:		<b>Male</b>	<b>Female</b>	<b>Total</b>
A separate list with signatures be maintained in the department/Unit)	Teaching	17	16	<b>33</b>
	Non-Teaching	00	00	<b>00</b>
	Students	129	172	<b>301</b>
8) Name(s) and details of Resource Person(s), if any:		<b>Dr. R. B. Shinde</b>  Assistant Professor, Department of Zoology, Shri Pundlik Maharaj Mahavidyalaya, Nandura, Dist. Buldana.		
9) Total Expenditure for the Programme:		NIL		
10) Source of Funding:		Not Applicable		

## B) Report

i. **Title:** National Seminar on: Journey of Drug: from Discovery to Development

ii. **Introduction:**

In Pharmacology a drug is a chemical substance typically of known structure, which, when administered to living organism produce a biological effect which is also called medication or medicine which may be used for limited duration or on regular basis for chronic disorder. By keeping in mind importance and role of drug in today's pandemic situation the department organized National Seminar on: Journey of Drug: from Discovery to Development which aims to help the students to understand importance of drugs in day-to-day life. The Seminar was organized by Department of Biotechnology and Food Processing Technology on 23.09.2021.

iii. **Objectives of the Programme:**

- Be able to understand History/Roots of Drug Development.
- To Understand Goals of Drug Discovery.
- To Understand Journey of Drug.
- To Understand Development and Future Research.

iv. **Details of participants:**

334 participants (Male 146 and Female 188) attended the Programme.

v. **Brief summary of Events/ Session:**

Dr. R.B.Shinde, Assistant Professor Department of Zoology , Shri Pundlik Maharaj Mahavidyalaya, Nandura, Dist. Buldana, Maharashtra addressed our students and explained in detail History and Goal of drug development. He also focused in detail on Journey of Drug from lab to market in which the points covered were discovery of drug, preclinical research, clinical research, FDA drug review, FDA post market drug safety research, Pharmacokinetics.

vi. **Conclusion, with Feedback on the Programme:**

The National Seminar covered the importance of Journey of Drug: from Discovery to Development. The seminar will help the students to understand the concepts on roots of drug development, goal of drug discovery and currently where do we reach. It also gave a clear idea to students about importance of discovery and development of drug and its future research.

vii. **Appendix: List of participants.**

Date: 24/09/21

  
HOD  
Head

Department of Biotechnology  
Rajarshi Shahu Mahavidyalaya  
(Autonomous) Latur-413 531



  
Principal  
PRINCIPAL  
Rajarshi Shahu Mahavidyalaya, Latur  
(Autonomous)

### C) Geotagged Photographs/ Screenshots:

**Why these bugs are better than the drugs?**

Antibiotics → Destroy the gut micro flora → Problems in digestion

Alcohol consumption → Emergence of antibiotic resistant strains → Problems in absorption of nutrients in the body

Stress →

Dr. CD Phedkar

AKASH WAGHMARE

SS

**Desirable characteristics**

- Non pathogenic and non toxic
- Able to survive the passage through the digestive system.
- Able to attach to the intestinal epithelia and colonise.
- Able to maintain good viability.
- Able to utilise the nutrients and substrates in a normal diet.
- Capable of exerting a beneficial effect on the host.
- Stability of desired characteristics during processing, storage and transportation.
- Anti-inflammatory, antimutagenic, immunostimulatory.

Dr. CD Phedkar

AKASH WAGHMARE

SS

Resource Person Dr. R.B.Shinde, Assistant Professor Department of Zoology , Shri Pundlik Maharaj Mahavidyalaya, Nandura, Dist. Buldana, Maharashtra explaining Journey of Drug: from Discovery to Development

D) Brochure of the workshop:



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Department of Biotechnology & Food Processing Technology

## Organizes

# National Seminar on Journey of a Drug: From Discovery to Development



**SPEAKER**

Dr. Ravikumar Shinde  
Asst. Professor  
Department of Zoology,  
Shri Pundlik Maharaj Mahavidyalaya,  
Nandura, Dist. Buldana

Chairperson  
Dr. M. H. Gavhane  
Principal

Dr. A. J. Raju  
Vice-Principal

Prof. S. N. Shinde  
Vice-Principal

Dr. S. S. Kulkarni  
Head

Dr. M. A. Dhotre  
Convener

**23 SEPTEMBER**  
11:30 AM  
Venue: Online Mode

Medicine

  
**HOD**  
Head  
Department of Biotechnology  
Rajarshi Shahu Mahavidyalaya  
(Autonomous) Latur-413 53.



  
**Principal**  
**PRINCIPAL**  
Rajarshi Shahu Mahavidyalaya, Latur  
(Autonomous)