

Shiv Chhatrapati Shikshan Sanstha's Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

Department of Biotechnology

A) Summary Report

1) Title of Programme:		National Seminar on Scope and Limitations		
		of Recombinant DNA Technology		
2) Name of Organizing Department/Unit:		Biotechnology		
3) Name of the Coordinator(s)/ Convener(s)/		Chairperson: Dr. M. H. Gavhane		
Organizer(s) of the Programme:		Joint Chief Organizers: Prof. S. N. Shinde		
		Convener: Dr. S. S. Kulkarni		
4) Date(s) of the Programme:		30 th August 2022		
5) Venue/ Mode		Online ZOOM Meeting		
6) Target Group:		U. G & P. G Students		
7) Number of Participants: 318		Male	Female	Total
A separate list with	Teaching/	09	19	28
signatures be	Researcher			
maintained in the	Non-Teaching	00	00	00
department/Unit)	Students	106	184	290
8) Name(s) and details of Resource Person(s),		Dr. Rajesh Jorgewad,		
if any:		Assistant Professor, Department of		
		Biotechnology Engineering, KIT's, College		
		of Engineering (Autonomous), Kolhapur.		
9) Total Expenditure for the Programme:		NIL		
10) Source of Funding:		Not Applicable		

B) Report

i. Title: National Seminar on: Scope and Limitations of Recombinant DNA Technology

ii. Introduction:

In the past century, the recombinant DNA technology was just an imagination that desirable characteristics can be improved in the living bodies by controlling the expressions of target genes. However, in recent era, this field has demonstrated unique impacts. By virtue of this technology, crucial proteins required for health problems and dietary purposes can be produced safely, affordably, and sufficiently. This technology has multidisciplinary applications and potential to deal with important aspects of life, for instance, improving health, enhancing food resources, and resistance to divergent adverse environmental effects. Particularly in agriculture, the genetically modified plants have augmented resistance to harmful agents, enhanced product yield, and shown increased adaptability for better survival. Moreover, recombinant pharmaceuticals are now being used confidently and rapidly attaining commercial approvals. Techniques of recombinant DNA technology, gene therapy, and genetic modifications are also widely used for the purpose of bioremediation and treating serious diseases. Due to tremendous advancement and broad range of application in the field of recombinant DNA technology the department organized National Seminar on: Scope and Limitations of Recombinant DNA Technology which aims to helps the students to understand its importance in in bringing advancement in human life. The Seminar was organized by Department of Biotechnology on 30.08.2022.

iii. Objectives of the Programme:

Students will be able

- > To understand Tools of Recombinant DNA Technology.
- > To Understand Genetically Modified Products.
- > To Understand its applications.
- > To Understand its Current Challenges.

iv. Details of participants:

318 participants (Male 115 and Female 203) attended the Programme.

v. Brief summary of Events/ Session:

Dr. Rajesh Jorgewad, Assistant Professor, Department of Biotechnology Engineering, KIT's, College of Engineering (Autonomous), Kolhapur, Maharashtra addressed our students and explained in detail different tools used in Recombinant DNA Technology, Goals, Application of Recombinant DNA Technology in development of Therapeutic Products, Genetic Modified Products, Diagnosis and Energy applications. He also focused in detail on Current Challenges, Biosimilar techniques, limitations and future consequences.

vi. Conclusion, with Feedback on the Programme:

The National Seminar covered the importance of Recombinant DNA Technology, its Scope, Applications and Limitations. The seminar helped the students to understand goals, different tools used in Recombinant DNA Technology and applications of Recombinant Products. It also gave a clear idea to students about future consequences, opportunities, limitations and Current Challenges for development of recombinant products by using Recombinant DNA Technology.

vii. Appendix: List of participants.

Date: 01/09/22

Convener/HOD Head Department of Biotechonlogy Rajarshi Shahu Mahavidyale. (Autonomous) Latur-413 5:



PRINCIPAL Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)

C) Geotagged Photographs/ Screenshots







Resource Person Dr. Rajesh Jorgewad, Assistant Professor Department of Biotechnology Engineering, KIT's, College of Engineering (Autonomous), Kolhapur, Maharashtra explaining Scopes and Limitations of Recombinant DNA Technology

D) Brochure of the Seminar:



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