

# Activity Report



## Activity Report

### *Hands on Training March -2023*

***(Hands on Training for Research scholar on "In Vitro Anti-diabetic screening by  $\alpha$ -amylase Inhibition Assay)***

**Organised by**

**Department of Chemistry, Faculty of Science,  
ATMIYA University, Rajkot**

**On: 22<sup>nd</sup> March, 2023–Wednesday**

**For the students of**

**Ph.D. Chemistry**

**ATMIYA University, Rajkot**

# **ATMIYA UNIVERSITY**

**Department of Chemistry**

Organizes

Hands on Training on 22<sup>nd</sup> March, 2023

**(Hands on Training for Research scholar on "In**

**Vitro Anti-diabetic screening by  $\alpha$ -amylase**

**Inhibition Assay)**

**for**

**Research Scholars**

**Co-ordinator : Dr. Anil Patel**

**Visit Time: 01:30 pm to 5:00 pm**

**Venue: Chemistry Lab No. 314 & Microbiology Lab  
, Rajkot, Gujarat, India, 360005**

# Activity Report

<b>Title of Activity</b>	<i>Hands on Training for Research scholar on "In Vitro Anti-diabetic screening by <math>\alpha</math>-amylase Inhibition Assay"</i>
<b>Special Theme</b>	Biological Activity Screening
<b>Activity Schedule</b>	22 <sup>nd</sup> March, 2023–Wednesday
<b>Venue</b>	Chemistry Lab No. 314 & Microbiology Lab
<b>Resource Persons</b>	Dr. Anilkumar S. Patel
<b>Activity Coordinator</b>	Dr. Anilkumar S. Patel
<b>Total No. of Participants</b>	6
<b>Details of Participants</b>	Students of Ph.D. Chemistry

## Outcomes of the Activity:

- Students learn about micro-molar level solution preparation for Enzyme and Inhibitors.
- Students trained to use Orbital Shaker Incubator for Enzyme incubation.
- Students got idea about standard protocol for the screening of anti-diabetic activity through alpha-amylase inhibition.
- Students trained to use UV-Visible Spectrophotometer for  $\alpha$ -amylase Inhibition.

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Enzyme ( $\alpha$ -amylase) and sample preparation in micro-molar scale  
(Chemistry Lab No. 314)




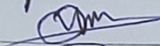
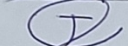
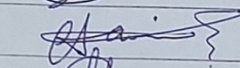
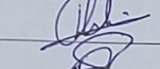
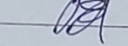
Incubation of samples in Orbital Shaker Incubator  
(Microbiology Lab)

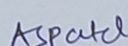


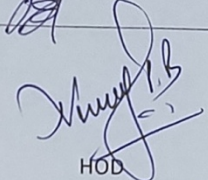
Optical density (OD) measurement in UV-Visible Spectrophotometer  
(Chemistry Lab No. 314)

# Activity Report

## Attendance Sheet

Atmiya University		
Hands on Training - March-2023		
Topic: Hands on Training for Research scholar on "In Vitro Antidiabetic Screening by $\alpha$ -amylase Inhibition Assay"		
Department: Chemistry		
Date: 22/03/2023	Time: 11:00 am to 5:00 pm	
Faculty Coordinator: Dr. Anilkumar S. Patel	Resorce Person: Dr. Anilkumar S. Patel	
Venue: Chemistry Lab No. 314 & Microbiology Lab-VSC Building		
Attendance Sheet		
S. No	Name of the Research Scholar	Signature
1	Jaysinh Jadeja	
2	Deep Mandir	
3	Jayraj Nitinbhai Jatiya	
4	Aamir Rafikbhai Shama	
5	Monil Pareshkumar Dholariya	
6	Deepkumar Rajeshbhai Makadiya	

  
Signature Coordinator

  
HOD  
Head of Department  
Department of Chemistry  
Faculty of Science  
Atmiya University  
Rajkot

**Dr. Anilkumar S. Patel**  
(Event Coordinator)

**Dr. Pankajkumar B. Nariya**  
(Head of the Department)