



The Poona Gujarati Kelavani Mandal's
Haribhai. V. Desai College
(Arts, Science, and Commerce)
596, Behind Shanivar Wada, Budhwar Peth, Pune, Maharashtra
411002.



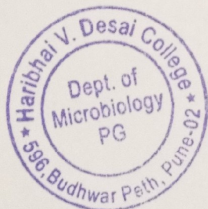
NOTICE

Date: 30/10/2023

All the students of **M.Sc. I Microbiology** kindly note a Practical Session on ,
“**Interpretation of Ramchandran Plot and study of conformations of protein molecule**
using Molecular Graphics Visualization Tool” by Ms. Jyoti Otageri has been scheduled
on 1st November 2023 at 10.30 am to 1.00 pm.

All the students should attend the session. Please carry your laptops for the same.

Venue: Microbiology Laboratory(308)



Ms. Sudha M. Adya
PG Coordinator
Dept. of Microbiology

Dr. Rajashree Patwardhan
HOD Microbiology
Vice-Principal, Science

Dr. Rajendra Gurao
Principal



Activity Report

Activity Conducted By: Ms. Sudha M. Adya

Topic: Practical Session on Interpretation of Ramchandran Plot and study of conformations of protein molecule using Molecular Graphics Visualization Tool by Ms. Jyoti Otageri

Date: 1st November 2023

A Guest lecture on Interpretation of Ramchandran Plot and study of conformations of protein molecule using Molecular Graphics Visualization Tool was conducted on 1st November 2023 by Ms. Jyoti Otageri, Assistant Professor, Sinhgad College of Science.

Event Date: 1st November 2023

Event time: 10.30 am to 1.00 pm

Venue: Microbiology Laboratory, H.V. Desai College, Pune

Activity Co-ordinator: Ms. Sudha M. Adya

Department Name: Microbiology

For Whom: M.Sc. Students

Platform: College Level

Objective of the Activity:

1. To learn about the basics of Ramchandran plot
2. To get acquainted with the softwares Swiss PDB.
3. To study of conformations of protein molecule using Molecular Graphics Visualization Tool.

Brief Report:

The practical session on Interpretation of Ramchandran Plot and study of conformations of protein molecule using Molecular Graphics Visualization Tool was conducted by Ms. Jyoti Otageri. The Speaker was welcomed by Ms. Sudha M. Adya, PG coordinator, Department of Microbiology. 30 Students of M.Sc. I attended the session. Faculty members Dr. Suchitra Patil was also present for the session.

The speaker talked about the basics of biological databases. She explained about the various software like Swiss PDB used for study of conformations of protein molecule. She talked about the various applications of the software. Assignments were given to the students to solve in the practical session. The session helped the students to know about the study of conformations of protein molecule using Molecular Graphics Visualization Tool.



The Poona Gujarati Kelawani Mandal's
Haribhai V Desai College (Arts, Science and Commerce), Pune 411002
Department of Microbiology

Outcome:

1. Students became aware of the software used in the study of conformations of protein molecule
2. Students were able to determine the conformations of protein molecule using Swiss PDB

Conclusion:

The session was helpful to the students in understanding the application Ramachandran plot in the prediction of the quality of various protein structure determined using experimental methods.

Ms. Sudha M. Adya
PG Coordinator
Department of Microbiology

Dr. R. B. Patwardhan
Head Dept. of Microbiology
Vice- Principal, Science

Dr. Rajendra Gurao
Principal



H. V. DESAI COLLEGE OF ARTS, COMMERCE AND
SCIENCE, PUNE- 2

Activity Report (Academic Year - 2023-24)

Basic Details:

Practical session on Interpretation of
Ramchandran plot

Name of the Activity: Practical session on Interpretation of Ramchandran Plot			
Date	Faculty	Department/ Committee	Coordinator Name & Phone Number
1.11.24	Science	Microbiology	Sudha M. Adya
Time	Venue	Activity for Class /group Expected student number	Nature: Academic/ Co- curricular / Extracurricular/ Environmental / Social/ Other
10.30 to 1.00	Microbiology Lab	M.Sc I students Microbiology	

Support/ Assistance:

Brief Information about the Activity (Criterion No. :-) :

Topic/ Subject of the activity	Practical session on Interpretation of Ramchandran Plot
Objective for conducting the activity	Basics of Ramchandran plot to be taught
Methodology	Practical session
Outcome	Students became aware of S/W for confirmation of protein

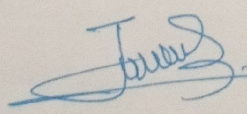
Proof attached: Letters/ Student list of Participation / Certificate / Document / Photos/
Any other

1. Notice	2. Invitation letter Thank you letter	3. Attendance
4. Photos	5. Reports	6.

IQAC Cell:

1. Activity no as per the Department Activity Schedule:
2. IQAC Cell Activity Number:

Seal and Signature IQAC Coordinator



S. M. Adya



The Poona Gujarati Kelavani Mandal's
Haribhai. V. Desai College
(Arts, Science, and Commerce)
596, Behind Shanivar Wada, Budhwar Peth, Pune, Maharashtra
411002.

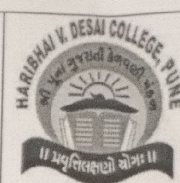
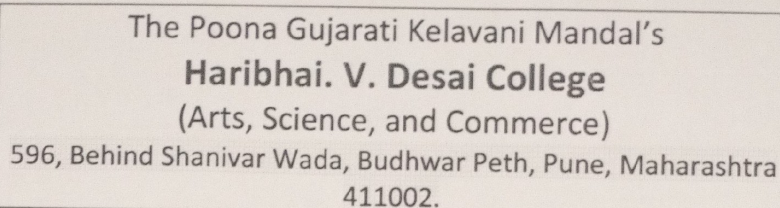


Practical Session On
"Interpretation of Ramachandran plot and study of conformation of protein molecule
using Molecular Graphics Visualization Tool"
M.Sc. I Microbiology

Resource Person: Ms. Jyoti Otageri

Date: 1.11.2023

Sr. No	Name of the Student	Signature
1.	Yogita Shinde	
2.	Gaikwad Nitin Gajanan	
3.	Sharali Panhale	
4.	Pankaj Chalak	
5.	Vedant Jakkanwar	
6.	Tejal Mene	
7.	Bhondari Shubham Pravin	
8.	Janhavi Sunil Sandim	
9.	Aishu. S. Surve	
10.	Shreya R. Gavhane	
11.	Sanika Sanyew Sathe	
12.	Nikita Sudam Kulkarni	
13.	Payal Gogibare	
14.	Aachal Prajapati	
15.	Neha Kudale	
16.	Shravani Kate	
17.	Radhika Pansare	
18.	Sakshi Shinde	
19.	Ankita Anbhale	
20.	Shreya Vijay Jannal	
21.	Harshada P. Dhebe	
22.	Tanuja Shankar Khandagale	



Practical Session On
“Interpretation of Ramachandran plot and study of conformation of protein molecule
using Molecular Graphics Visualization Tool”

M.Sc. I Microbiology

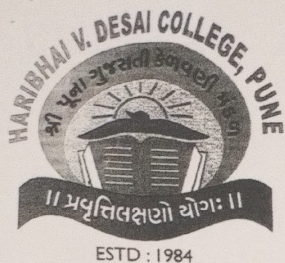
Resource Person: Ms. Jyoti Otageri

Date: 1.11.2023



Co-ordinator

Dept of Microbiology (PG)
Haribhai V. Desai College, Pune



The Poona Gujarati Kelavani Mandal's

HARIBHAI V. DESAI COLLEGE

of Arts, Science & Commerce

Affiliated to Savitribai Phule Pune University

(Linguistic Minority Institution)

ID No.: PU / PN / ASC / 057 / (1984)

NAAC Grade B+ (2.75 CGPA) ■ AISHE CODE : C-41829

Principal:

Dr. Rajendra G. Gurao

M.Sc., Ph.D.

Email: principal@hvdesaicollege.edu.in

Ref. No.: HVD / 276 / PG / 2023 - 24

Date: 30-10-2023

Ms. Jyoti Otageri,

Assistant Professor,

Sinhgad College of Science,

Ambegaon Bk,

Pune: 411041.

Subject: Invitation as Resource person for Practical Session on, "Interpretation of Ramchandran Plot and study of conformations of protein molecule using Molecular Graphics Visualization Tool"

Dear Madam,

We have started M.Sc. Microbiology in the academic year 2016-17. We emphasize to give the students' knowledge about various aspects of Microbiology. The students would get acquainted with recent advances in Microbiology by interactions with eminent speakers. With great pleasure we would like to invite you for conducting the Practical Session on, "Interpretation of Ramchandran Plot and study of conformations of protein molecule using Molecular Graphics Visualization Tool" for the M.Sc.I Microbiology students on 1st November 2023 from 10.30 am to 1.00 pm.

Your expertise and knowledge in the area would help the students to understand the topic.

We look forward to your presence and guidance.

Thanks and regards,

Dr. Rajashree Patwardhan

HOD Microbiology

Vice-Principal, Science

Received
01/11/2023

Dr. Rajendra Gurao

Principal

Telephone: (Prin.) (O) : 020-246 3914, (O) 2445 0373, 2445 5423 Mobile: 96991 97848

Address: Desai Brother's Vidya Bhavan, 596, Budhwar Peth, Pune - 411 002 | Website: www.hvdesaicollege.org



The Poona Gujarati Kelavani Mandal's

HARIBHAI V. DESAI COLLEGE

of Arts, Science & Commerce

Affiliated to Savitribai Phule Pune University
(Linguistic Minority Institution)

ID No.: PU / PN / ASC / 057 / (1984)

NAAC Grade B+ (2.75 CGPA) ■ AISHE CODE : C-41829

Principal:

Dr. Rajendra G. Gurao

M.Sc., Ph.D.

Email: principal@hvdesaicollege.edu.in

Ref. No.: HVD / NG / 285 / 2023

Date: 01/11/2023

To,

Ms. Jyoti Otageri,

Assistant Professor,

Sinhgad College of Science,

Ambegaon Bk,

Pune: 411041.

Subject: Practical Session on, "Interpretation of Ramchandran Plot and study of conformations of protein molecule using Molecular Graphics Visualization Tool"

Dear Madam,

We would like to thank you for taking time from your busy schedule and conducting the practical session on Interpretation of Ramchandran Plot and study of conformations of protein molecule using Molecular Graphics Visualization Tool" for the M.Sc.I Microbiology students on 1st November 2023.

The session helped the students to understand the protein structures and conformations using Swiss PDB software. The practical session was highly appreciated by the students. We are grateful for the time and effort taken by you to guide our students.

We look forward for your continued and valued association with us.

Thanks and regards,

*Received
01/11/2023*

Dr. Rajashree Patwardhan

HOD Microbiology

Vice-Principal, Science

Dr. Rajendra Gurao

Principal

Telephone: (Prin.) (O) : 020-246 3914, (O) 2445 0373, 2445 5423 **Mobile:** 96991 97848

Address: Desai Brother's Vidya Bhavan, 596, Budhwar Peth, Pune - 411 002 | **Website:** www.hvdesaicollege.org



Practical Session on Interpretation of Ramchandran Plot
by **Ms. Jyoti Otageri**, Asst. Prof Sinhgad College of Science.