

“Dissemination of Education for Knowledge Science & Culture”
-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur
(Empowered Autonomous)
Department of Zoology

**B. Sc. III- Visit to Stem Cell Culture
Laboratory,
D. Y. Patil Education Society, Kolhapur
(27th February, 2024)**



Academic Year: 2023-2024

“Dissemination of Education for Knowledge Science & Culture”


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Department of Zoology
Academic Year: 2023-24

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B. Sc. III- Visit to Stem Cell Culture Laboratory

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Dr. G. K. Sontakke
HEAD
DEPARTMENT OF ZOOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
EMPOWERED AUTONOMOUS



"Dissemination of Education for Knowledge, Science and Culture"
-Shikshanmaharshi Dr. Bapuji Salunkhe

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Vivekanand College, Kolhapur
(Empowered Autonomous)
Internal Quality Assurance Cell
2023-2024
Quality Initiatives/ Activities Report



1. **Name of Department:** ZOOLOGY
2. **Name of Organized Activity:** Visit to Stem Cell Culture Laboratory, D. Y. Patil Education Society, Kolhapur
3. **Date/ Duration:** 27/02/2024, 11:00 am onwards
4. **Aims and Objectives:**
 - i. To fulfill the practical of visit of B.Sc. III students to Stem Cell Laboratory, based on papers- Molecular Biology and Biotechniques and Animal Biotechnology
 - ii. To help students understand the concept of stem cell
 - iii. To impart knowledge and importance of stem cell culture among the students
 - iv. To provide information about career opportunities in stem cell culture
5. **No. of beneficiaries:**

Sr. No	Teacher (02)		Students (15)		Total
	Male	Female	Male	Female	
1.	00	02	05	10	17

6. **Expenditure & funding agency:** NA

7. **Brief description:**

Department of Zoology, Vivekanand College, Kolhapur (Empowered Autonomous) has organized a one day visit of B. Sc. III students, with the permission of Principal, Dr. R. R. Kumbhar and under the guidance of Dr. G. K. Sontakke, Head, Department of Zoology, to Stem Cell Culture Laboratory, D. Y. Patil Education Society, Kolhapur on Tuesday, 27/02/2024. This visit was part of B.Sc. III practical syllabus based on papers- Molecular Biology and Biotechniques and Animal Biotechnology. Total 15 students and 2 teachers have participated in this visit. We visited different research labs like- Nano-biotechnology Laboratory, Microbial Biotechnology Laboratory, Biomaterial and Tissue Engineering Laboratory, Animal Tissue Culture Laboratory,

Central Research Laboratory, Clinical Laboratory, RT-PCR Laboratory. Students got information about stem cells, stem cell culture, handling techniques, versatile applications of stem cells from this visit.

8. Outcomes:

- i. Students got information about stem cells, stem cells culture, versatile applications of stem cells and career opportunities in this field.
- ii. Students got to know about different types of instruments used in stem cell culture laboratory.

9. Photos:



10. Signature of coordinator and organizer:

Gketa
 Dr. G. K. Sontakke
HEAD
DEPARTMENT OF ZOOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

PERMISSION LETTER

Date: 22/02/2024

To,
The Principal,
Vivekanand College, Kolhapur (Empowered Autonomous)

Subject: Request for Permission for Visit to the Stem Cell Culture Laboratory for
B.Sc. III Students

Respected Sir,

With reference to the above subject, the Department of Zoology at Vivekanand College, Kolhapur (Empowered Autonomous), is planning to organize a visit to the Stem Cell Culture Laboratory at D.Y. Patil College, Kolhapur for the students of B.Sc. III on Tuesday, 27/02/2024. This visit is a part of the syllabus, included in the practicals for B.Sc. III.


We kindly request your permission for the same.

Thanking you.


Enclosure:

List of students and Faculty

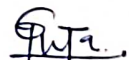
मिस्टरांत हाकट


22/02/24

Allowed


22/2/24

Yours faithfully,



Dr. G. K. Sontakke
HEAD

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Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Zoology

Academic Year 2023-24

Date: 22/02/2024

NOTICE

All the students of B. Sc. III are hereby informed that, Department of Zoology has organized a visit to **Stem Cell Culture Laboratory, D. Y. Patil Education Society, Kolhapur** on **Tuesday, 27/02/2024** at 10:00 am. This visit is compulsory to all.



Dr. G. K. Sontakke

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Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Zoology

Academic Year 2023-24

List of Teaching faculty and students

Sr. No.	Name	Designation
1.	Ms. N. A. Jadhav	Assistant Professor
2.	Ms. A. P. Sutar	Assistant Professor
3.	Bhise Raviraj Nemaji	B.Sc. III
4.	Bhurke Swara Sachin	B.Sc. III
5.	Gore Indraj Vitthal	B.Sc. III
6.	Kothavale Alisha Tanaji	B.Sc. III
7.	Kumbhar Shruti Ramchandra	B.Sc. III
8.	Mane Aman Pralhad	B.Sc. III
9.	Miraje Manoj Arunkumar	B.Sc. III
10.	Mujawar Naaz Navaj	B.Sc. III
11.	Mullani Tabsum Zakirhusen	B.Sc. III
12.	Nadaf Saniya Yunus	B.Sc. III
13.	Patil Snehal Yalgonda	B.Sc. III
14.	Shinde Adityaraj Sachin	B.Sc. III
15.	Shinde Shruti Ravindra	B.Sc. III
16.	Tamaichikar Nilam Narendra	B.Sc. III
17.	Patil Omkar Vijay	B.Sc. III

Gita

Dr. G. K. Sontakke
HEAD

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Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Zoology

Academic Year 2023-24

Date-27/02/2024

Attendance of Visit to Stem Cells Laboratory

Sr. No.	Name of the Student	Signature
1.	Bhise Raviraj Nemaji	<i>Raviraj</i>
2.	Bhurke Swara Sachin	<i>Bhurke</i>
3.	Gore Indraja Vitthal	<i>Gore</i>
4.	Kothavale Alisha Tanaji	<i>ATK</i>
5.	Kumbhar Shruti Ramchandra	<i>Kumbhar</i>
6.	Mane Aman Pralhad	<i>Mane</i>
7.	Miraje Manoj Arunkumar	<i>Miraje</i>
8.	Mujawar Naaz Navaj	<i>Naaz</i>
9.	Mullani Tabsum Zakirhusen	<i>Mullani</i>
10.	Nadaf Saniya Yunus	<i>Nadaf</i>
11.	Patil Snehal Yalgonda	<i>Snehal</i>
12.	Shinde Adityaraj Sachin	<i>Ashinde</i>
13.	Shinde Shruti Ravindra	<i>SR Shinde</i>
14.	Tamaichikar Nilam Narendra	<i>Nilam</i>
15.	Patil Omkar Vijay	<i>OPatil</i>

Puta

Dr. G. K. Sontakke

HEAD

DEPARTMENT OF ZOOLOGY

VIVEKANAND COLLEGE, KOLHAPUR

(EMPOWERED AUTONOMOUS)



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)

2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur -416003

Affiliated to Shivaji University, Kolhapur (M.S.)

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College with Potential for Excellence by U.G.C., New Delhi

"Star College" by D.B.T Govt. of India

ISO 9001 : 2015



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Founder
Dr. Bapuji Salunkhe
D.Lit.

President
Hon. Chandrakant Dada Patil
MLA

Chairman
Prin. Abhaykumar Salunkhe
M.A.

Secretary
Prin.Mrs. Shubhangi Gawade
M.Sc.,B.Ed.

Principal
Dr. R. R. Kumbhar
M.Sc.,M.Phil.,Ph.D.

Ref. No. VCK/ 2739/2023-24

Date : 26/2/2024

To,
The Dean,
Centre for Interdisciplinary Research,
D. Y. Patil Education Society Deemed to be
University, Kadamwadi, Kolhapur.

Subject: Request for Permission to Visit the Stem Cell Culture Lab

Respected Sir/Madam,

I am writing to request permission for a visit to your institute on Tuesday, 27/02/2024, for the purpose of acquiring knowledge about Stem cells and their culture. This visit is an integral part of the syllabus and is included in the practical curriculum of B.Sc. III. Our academic focus emphasizes engaging students in practical experiences to observe the implementation of concepts taught in the syllabus. We believe that this visit will provide our students with relevant knowledge in the field.

A group of 15 students from B.Sc. III, along with faculty members, intends to participate in this visit. Therefore, we kindly request your permission to conduct a visit to your Stem Cell Culture laboratory and seek your assistance in making necessary arrangements in the relevant department.

Thank you for considering our request.

Yours faithfully,

Rou

Dr. R. R. Kumbhar

PRINCIPAL

VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

etc
for Dr. Gawade
visit coordinator
CIR, DYPS.
27/2/2024

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Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Zoology

Academic Year 2023-24

Date: 27/02/2024



Photos: Visit of B. Sc. III students to Stem Cell Culture Laboratory, D. Y. Patil Education Society, Kolhapur

Dr. G. K. Sontakke
HEAD
DEPARTMENT OF ZOOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

Report on 'B. Sc. III- Visit to Stem Cell Culture Laboratory'

Department of Zoology, Vivekanand College, Kolhapur (Empowered Autonomous) has organized a one day visit of B. Sc. III students to Stem Cell Culture Laboratory, D. Y. Patil Education Society, Kolhapur on Tuesday, 27/02/2024. This visit was part of B.Sc. III practical syllabus based on papers- Molecular Biology and Biotechniques and Animal Biotechnology. The aim of this visit was to introduce students to stem cells, stem cell culture, handling techniques, versatile applications of stem cells, etc. Total 15 students and 2 teachers have participated in this visit.

We reached at Department of Stem cell and Regenerative Medicine and Medical Biotechnology, Center for Interdisciplinary Research, D. Y. Patil Education Society, Kolhapur at 11:00 am. The faculty, Dr. Rajani Thanekar, welcomed us and Dr. Shivaji Kaashte, introduced us to the post graduation courses offered by them- M.Sc. in Stem Cell & Regenerative Medicine and M.Sc. in Medical Biotechnology. The head of the department- Dr. Meghnath Joshi and other faculty Dr. Arpita Pandey-Tiwari gave us more information about stem cells and medical biotechnology with respect to career opportunities in the same field. After that they treated us refreshment. After refreshment, research scholars took us to the visit of research labs- Nano-biotechnology Laboratory, Microbial Biotechnology Laboratory, Biomaterial and Tissue Engineering Laboratory, Animal Tissue Culture Laboratory, Central Research Laboratory, Clinical Laboratory, RT-PCR Laboratory.

Research scholars from each laboratory showed us various instruments from their laboratory. They also explained purposes, principles and operational methods of instruments used in the laboratories like rotary shaker, electrophoresis unit, U.V. transilluminator, shaker incubator, water bath, heating mantle, magnetic stirrer, deep freezer (- 40^oc), biosafety cabinet, 3D bio printer, peristaltic pump, tensile tester, RT-PCR, etc. Then we had lunch at 2:30 pm. Faculties of that laboratory concluded our visit by wishing students a successful future. We returned back from the college around 04:00 pm. Students of our department got great opportunity to visit stem cell culture laboratory and got valuable information about stem cell culture and it's applications.


Dr. G. K. Sontakke

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