

PADMABHUSHAN VASANTRAODADA PATIL MAHAVIDYALAYA
KAVATHE MAHANKAL DIST.-SANGLI

DEPARTMENT OF ZOOLOGY

FIELD-WORK

(Academic Year- 2023-24)

TITLE

STUDY OF BIODIVERSITY

PLACE

JAKHAPUR-KUNDLAPUR WATER TANK

Date

18th January, 2024

7.00 am to 12 pm



Department of Zoology

P. V. P. Mahavidyalaya,

Kavathe Mahankal

Date- 15/01/2024

To,

The Principal,

P. V. P. Mahavidyalaya Kavathe Mahankal.

Subject:- Regarding permission for Field visit of B.Sc. I — Zoology

Sir,

As mentioned above subject the department of zoology P. V. P. Mahavidyalaya Kavathe Mahankal organized Field visit for B.Sc. I Students at Jakhapur-Kundlapur Water Tank to study biodiversity on 18.01.2024. Said Field visit is for creating awareness among the students to conserve the biodiversity from local areas and also to maintain the ecological balance of the nature. This is urgent need to create students mind towards conserving the biodiversity. Therefore grant the permission for the same.

Thanking you,

Yours sincerely

Permission granted.

Mundar

Head
Department of Zoology
P.V.P. Mahavidyalaya,
Kavathe Mahankal, Dist.-Sangli.



PADMABHUSHAN VASANTRAODADA PATIL MAHAVIDYALAYA

KAVATHE MAHANKAL, Dist. Sangli (Maharashtra) Pin- 416 405

Principal Prof. (Dr.) M.K.Patil M.Sc., M.Phil., Ph.D.

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Jr. College Index No. J 22.04.002

Website : www.pvpkm.org

Ref No. PVPMKM/653/2028-22/11

Date : 17/01/2024

प्रति
मा. सरपंचसो,
ग्रामपंचायत कुंडलापूर
ता. कवठेमहाकाळ
जि. सांगली

विषय : **Field Work** ला परवानगी तसेच विद्यार्थ्यांना मार्गदर्शन करणेबाबत

महोदय,

उपरोक्त विषयास अनुसरून आमचे महाविद्यालयातील बी.एस्सी.भाग-१ प्राणीशास्त्र विभागातील प्राध्यापक व विद्यार्थी आपले गावच्या वॉटर टँकला भेट देवून त्या ठिकाणची जैवविविधता व त्याचा निर्सगला होणारा उपयोग याचा अभ्यास करणेसाठी दि. १८/१/२०२४ रोजी भेट देणार आहेत. तरी त्यांना आपलेकडून योग्य ते मार्गदर्शन व सहकार्य मिळावे, ही विनंती.

आपला विश्वासू,

प्राचार्य

पद्मभूषण वसंतरावदादा पाटील महाविद्यालय
कवठेमहाकाळ, जि. सांगली

OK



निर्मल ग्राम, तंटामुक्त गांव

स्थापना : १३/३/१९५९

ग्रामपंचायत कार्यालय, कुंडलापूर.

ता. कवठे महांकाळ, जि. सांगली.

जावक क्र. - ०२/२०२४

दिनांक : ०१/०२/२०२४

प्रति,

मा. प्राचार्यसो,

पी.व्ही.पी. महाविद्यालय,

कवठे महांकाळ

महोदय,

आपल्या महाविद्यालयातील बी.एस.सी. भाग-१ वर्गातील प्राणीशास्त्र या विषयाचे विद्यार्थी व प्राध्यापक यांनी कुंडलापूर गावामध्ये सार्वजनिक तलावाला दि. १८/०१/२०२४ रोजी अभ्यासक्रमासाठी भेट दिली. सदर विद्यार्थी/ विद्यार्थिनी यांनी प्राध्यापक डॉ. मोरे एस.बी. व श्री जगनाडे यांचे मार्गदर्शनाखाली जैव विविधतेचा अभ्यास केला व त्याचा उपयोग जैव विविधतेचा संवर्धन करून ठेवणेसाठी नक्की फायदा होईल, याचा आम्हाला विश्वास आहे.

सर्व विद्यार्थी/ विद्यार्थिनीना पुढील आयुष्यासाठी हार्दिक शुभेच्छा!!!

धन्यवाद.

सरपंच

ग्रामपंचायत कुंडलापूर,
ता. कवठे महांकाळ जि. सांगली

SHIKSHAN PRASARAK SANSTHA'S
PADMABHUSHAN VASANTRAODADA PATIL MAHAVIDYALAYA, KAVATHE
MAHANKAL
DEPARTMENT OF ZOOLOGY

LIST OF STUDENTS ENROLLED FOR FIELD WORK

(Academic Year-2023-24)

TITLE: STUDY OF BIODIVERSITY

PLACE: JAKHAPUR-KUNDLAPUR WATER TANK

DATE: 18th JANUARY, 2024

Sr. No.	Name of the Students	Class
1.	Ashwini Ankush Dukandar.	B. SC. I
2.	Varsha Vinod Patil.	B. SC. I
3.	Saundarya Kiran Wale	B. SC. I
4.	Varada Dattatray Dongare	B. SC. I
5.	Vaishnavi Tukaram Patil	B. SC. I
6.	Gayatri Ganesh Patil.	B. SC. I
7.	Rajnandini Jotiram Suryavanshi	B. SC. I
8.	Nayna Sanjay Jadhav.	B. SC. I
9.	Nita Samerao Pawar	B. SC. I
10.	Smita Shankar Salunkhe	B. SC. I
11.	Anita Sampat Chougule	B. SC. I
12.	Sayali Vishnu Harage	B. SC. I
13.	Gayatri Mahadev Mali	B. SC. I
14.	Sneha Anandrav Chavan	B. SC. I
15.	Pratiksha Popat Satpute	B. SC. I
16.	Sakshi Vinayak Chougule	B. SC. I
17.	Nikita Nazayan Zupate	B. SC. I
18.	Anuradha Ramchandra Chavan	B. SC. I
19.	Pooja Pandharinath Patil	B. SC. I
20.	Payal Sahebrao Sarvashe	B. SC. I
21.	Snehal Vitthal Tone	B. SC. I
22.	Varsha Vitthal Kadam	B. SC. I
23.	Riya Ravindra Gaikwad	B. SC. I

24.	Tejashri Rauso Jadhav	B. SC. I
25.	Karan Chagowan Hulwar	B. SC. I
26.	Tushar Baburao Patil	B. SC. I
27.	Omkar Vishwas Karande	B. SC. I
28.	Balasaheb Agnu Rupanun	B. SC. I
29.	Sushant Sanjay Khandekar	B. SC. I
30.	Satej Vitthal Powar	B. SC. I
31.	Azaruddin Badruddin Parekar	B. SC. I
32.	Sumit Shirkumar Bansode	B. SC. I
33.	Khot Vrushali Ramhari	B. SC. I
34.	Bhosale Snehal Manohar	B. SC. I
35.	Khobare Rutuja Shrikant	B. SC. I
36.	Patole Sanjana Sambhaji	B. SC. I
37.	Sapkal Sneha Satish	B. SC. I
38.	Pawar Pratiksha Pandurang	B. SC. I
39.	Shashank Subaschandr Yadav	B. SC. I
40.	Om Shrikant Bajbale	B. SC. I
41.	Prathmesh Sambhaji Masal	B. SC. I
42.	Vikas Bolu Gadade	B. SC. I
43.	Om Sanjay Jadhav	B. SC. I
44.	Asmita Eknath Jadhav	B. SC. I
45.	Vaishnavi Jagannath Patole	B. SC. I
46.	Shubhangi Jagannath Shinde	B. SC. I
47.	Jaywardhan Vijay Lokhand	B. SC. I
48.	Vishwjeet Kiran Bhosale	B. SC. I
49.	Satyajit Pratap Bhosale	B. SC. I
50.	Udale Anushka Shamrao	B. SC. I
51.	Pranali Balu Patil	B. SC. I
52.	Hari Arvind Kamble	B. SC. I
53.	Bhosale Sudarshan Sanjay	B. SC. I
54.	Swapnali Subhash Savale	B. SC. I
55.	Aparna Nethaji Chougule	B. SC. I
56.	Pavankamar Marati Mali	B. SC. I
57.	Swapnil Chandraleant Patil	B. SC. I

Jakhapur -Kundlapur Water Tank To Study Biodiversity

Date - 18th January 2024

Objectives

- 1) To make the pupils fit for the society
- 2) To develop interest about the biodiversity among the students
- 3) To develop scientific attitude which is the major objective, this makes the student open minded, critical observations, curiosity, thinking etc.
- 4) Biodiversity conservation can help address the effects of climate change.
- 5) Biodiversity is important because it is a thermometer that measures the health of life on Earth.

INTRODUCTION

The field visit was held during on 18th January 2024 at Jakhapur – Kundlapur lake of B. Sc. I Zoology Department to study the biodiversity of local areas. This is urgent need to conserve the biodiversity and creating awareness among the students. Where students studied various animals and plant species in their natural habitat. Biodiversity is essential for the processes that support all life on Earth, including humans. Without a wide range of animals, plants and microorganisms, we cannot have the healthy ecosystems. Biodiversity also has significant economic value.

Biodiversity plays a vital role in maintaining ecological stability. A diverse range of species and ecosystems ensures that natural systems can adapt to changing environmental conditions and recover from disturbances such as natural disasters or human impacts. Without biodiversity, ecosystems are more vulnerable to collapse, which can have cascading effects on other species and entire ecosystems. Biodiversity also has direct benefits for human well-being. Many of our most important resources and services, such as food, medicine, clean air and water, and climate regulation, are dependent on biodiversity. The loss of biodiversity can have serious consequences for human health and livelihoods, particularly for communities that rely on natural resources for their survival.

There is Genetic diversity, which is the variety of genes within a given species. Which can contribute to the survival of the species. Species diversity, which can be measured in terms of the number of the same species found in a given area and Ecosystem diversity, which defines the number and abundance of habitats, living communities and ecosystems within which different organisms live and evolve.

These different types of biodiversity are closely interconnected and affect each other. The loss or deterioration of one type of biodiversity can have negative effects on other types and the overall health of ecosystems.

INFORMATION COLLECTED FROM FIELD VISIT

During field visit students studied chordates, non chordates plants and their role in ecosystem. The jakhapur water tank is rich source of biodiversity. Many Bird diversity is there locally migratory birds are reported.

Following non chordates and chordates were studied

Arthropoda: Class Insecta – Grasshopper, Cicada, centipede , Termites, honey bees,

Ants, Various arachnids like spider species, crabs , scorpion were studied.

B) Chordates

1. Reptiles: Rat snake ,Lizard, Gecko
2. Amphibians : Frog, Skipping Frog, Toad
3. Aves : Sea gulls, Kite, Bhahminy kite, Eagle, Cattle heron, Gret heron, bee eater, Magpie robin, parrot, sparrow, drongo, red vented bulbul, Crested Bulbil, Parrot, Myana, bank mayna, Crow, Paradise fly catcher, great horn bill, King fisher, Shrike, Wag tail, Asian coel. Pond heron, golden duck, Cormorant, Jungle fowl,
4. Mammala: Squirrel, Mangoose

OUTCOMES

- 1) Biodiversity conservation can help address the effects of climate change. Conserving habitats can reduce the amount of carbon dioxide released into the atmosphere. such as air and water purification, pollination and food production, and carbon sequestration.
- 2) Biodiversity is important because it is a thermometer that measures the health of life on Earth. Biodiversity also provides a wide range of benefits to humans. Preserving the health of ecosystems ensures access to food and other key resources. Unfortunately, biodiversity is in crises because of many of human activities, such as: deforestation, habitat destruction and over exploitation of natural resources.
- 3) A high abundance of granivores bird species also reported because of seasonal variation in food source where farmers plow farm land and annual crop species bloom during wet and rainy season. This proves that this region supports good number of birds because of availability of different food items, shelter, resting grounds as well as peaceful and protective land. It is obvious that resident and local migrant birds dominate the avifauna in this region. Particularly in the study area, the conservation value of agro forestry for avifauna has not been well documented. Most studies are limited to this study area.
- 4) Therefore we communicate and discussed with local peoples for creating awareness about conservation and preservation of local biodiversity


Head
Department of Zoology
P.V.P. Mahavidyalaya,
Kavathe Mahankal, Dist.-Sangli.

Excursion - Zoology - 2023-24

B. Sc. I

— Student Attendance

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1) Gadade rikas Bolu	Gadade
2. Rupanur Balasaheb Agnu	B.A. Rupanur
3. Tushar Baburao Patil	Patil
4. Karande Omkar Yishwas	Omkar
5. Karan Bhawan Tulwan	K.B. Tulwan
6. Patil Swapnil Chandrakant	Patil
7. Paonkumar Maruti Mali	Maruti
8. Syshanant Sanjay Rhandekar	Sy
9. Azaruddin Badruddin Parekar	A. B. Parekar
10. Om Sanjay Jadhav	Om
11. Sumit Shivkumar Bansode.	Bansode
12. Shashank Subhash Yadav	Shay
13. Hari Arvind Kamble	H.A. Kamble
14. Bhosale Gudarshan Sanjay	G.S. Bhosale
15. Vishwjeet Kiran Bhosale	V.Bhosale
16. Bhosale Satyajit Pratap	Bhosale
17. Om Shrikant Bajbale	Om
18. Jaywardhan Vijay Lokhande.	JL
19. Satej Vitthal Pawar	S.V. Pawar
20. Prathmesh Sambhaji Masal	P.S. Masal
21] Sanika Dushrath Daingade.	S.D.D.
22] Anushka Shamrao Udale	A.S. Udale
23] Gayatri Mahadev Mali	G.M. Mali
24] Apoena Nathaji Chougale.	A.N. Chougale
25] Asmita Eknath Jadhav.	A.Jadhav
26] Lazeena Afjay Tamboli	L.Tamboli
27] Saundarya Kiran Wale	S.K. Wale
28] Varada Dattatray Dongre	V.Dongre
29] Ashwini Ankush Dekander.	A.A. Dekander
30] Varsha Vinod Patil.	V.Patil
31 Anita Sampad Chougale	A.S.C
32 Pronali Balu Patil.	P.B. Patil.

- | | |
|--|--------------------|
| 33) Sakshi Vinayak chougule | <u>S. Chougule</u> |
| 34) Smita Shankar Suryawanshi Salunkhe | S.S. Salunkhe |
| 35) Nikita Narayan Zapate | <u>N. Zapate</u> |
| 36) Anuradha Ramchandra Chavan | A.R.C. |
| 37) Snehal Vitthal Tone | <u>S. Tone</u> |
| 38) Rutuja Shrikant Khobare | <u>R. Khobare</u> |
| 39) Rajnandini Jotiram Suryawanshi | R.J. Suryawanshi |
| 40) Nagma Bansay Jadhav | <u>N. Jadhav</u> |
| 41) Swaliya Nabilal Tamboli | <u>S. Tamboli</u> |
| 42) Nita Sanjivrao Pawar | <u>S. Pawar</u> |
| 43) Swapnali Subhash Savale | <u>S. Savale</u> |
| 44) Pooja Pandharinath Patil | <u>P. Patil</u> |
| 45) Payal Sahebrao Savvashe | <u>P. Savvashe</u> |
| 46) Sayali Vishnu Harage | <u>S. Harage</u> |
| 47) Vaishnavi Jagannath Patole | <u>V. Patole</u> |
| 48) Shubhangi Jagannath Shinde | <u>S. Shinde</u> |
| 49) Riya Ravindra Gaikwad | <u>R. Gaikwad</u> |
| 50) Gayatri Ganesh Patil | <u>G. Patil</u> |
| 51) Rajakta Sanjay Kodag | <u>R. Kodag</u> |
| 52) Sneha Satish Sapkal | <u>S. Sapkal</u> |
| 53) Vaishnavi Tukaram Patil | <u>V. Patil</u> |
| 54) Vansha Vitthal Kadam | <u>V. Kadam</u> |
| 55) Vrushali Ramhari Khot | <u>V. Khot</u> |
| 56) Snehal Manohar Bhosale | <u>S. Bhosale</u> |

Photos:-



