



दुस्तांघे तिमिर जाबो !
Shikshan Prasarak Mandal's

JAWAHAR ART'S, SCIENCE & COMMERCE COLLEGE, ANADUR

Tq. Tuljapur, Dist. Osmanabad - 413 603

NAAC - GRADE - B++ (CGPA 2.81)

Founder



Principal : Dr. Umakant Chanshetti (Mob : 9420488874)
(M.Sc., B.Ed., M.Phil., Ph.D.)

President : Shri. B. F. Kasture Late S. N. Ahire Guruji

From,

Date- 09/10/2021

The Principal,

Jawahar College of Arts, Commerce and Science College,
Anadur.

To,

The Head,

Department of Zoology,
Jawahar College of Arts, Commerce and Science College,
Anadur.

Subject: Appreciation Remark for Successful Conductance of Field Work 2021-22.

Respected Sir,

On behalf of Institution, I congratulate Department of Zoology for successful conductance of Field Work related to Biodiversity Studies and its Conservation in nearby college campus area. Students have enthusiastically explored and learned many aspects related to biodiversity and its conservation. This study has also proven important for conservation of local biota. The College is dedicated for measures to be taken for conservation of our local rich biodiversity and express its staunch support for the same.

Best wishes and regards for the future endeavor in conservation work.

Principal,

Jawahar College of
Arts, Commerce and Science College
Anadur, Tal. Tuljapur, Dist. Osmanabad
Anadur.

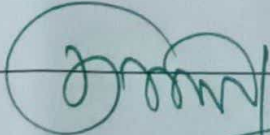
Report:

On the behalf of wild life week on 6 th October-2021 Jawahar College of Arts, Science and Commerce College, Anadur organized a local biodiversity field work program near within and surrounding the college campus area. Total 45 students, 20 male and 25 female students participated in the field visit. The group visited the college butterfly garden where they observed and studied around 7 different species of butterflies as enlisted above visiting this garden. 3 different species of birds and 4 different species of insects were also observed at the butterfly garden existing at the college campus. Then the students also visited the primary bund and its allied area, of the percolation dam present at the backside of the college. Students observed various aquatic species over there including fishes, boatmen, frogs, crabs and snails. Along with the aquatic species, 4 different species of birds and 3 different species of insects enlisted above were observed over there. Students enthusiastically noted the information dictated by their teachers regarding identification and special characters of these various biodiversity biotic factors. Care was taken by the teachers that no student's doubt is stay unanswered. Head of the Zoology Department, Dr. S. S. Baad led this entire program and the other faculty members of the zoology coordinated with him to make this program successful. The teachers also ensured the students that this biodiversity information will be important form the point of view of various competitive exams and research activities that students will be undertaking in mere future. The tour ended with sweets and snacks offered by the teachers to the students around 4:00 PM. The overall tour visit was a successful zoological summit and a crucial step towards the biodiversity conservation of Anadur locality with interdisciplinary approach.

(Field Record)

COMMON BUTTERFLIES OBSERVED

| SR. NO. | COMMON NAME | SCIENTIFIC NAME | SPECIAL CHARACTER OF THE SPECIES |
|---------|---------------------|-------------------------|---|
| 1 | Common Mormon | <i>Papillio polytes</i> | Dark-Colored Swallow-Tailed Butterfly, Upper Forewing Has A Series Of White Spots Decreasing In Size Towards The Apex, Upper Hindwing Has A Complete Discal Band Of Elongated White Spots |
| 2 | Common Grass Yellow | <i>Euremahecabe</i> | Deep-Lemon Yellow Butterflies With Black Borders |

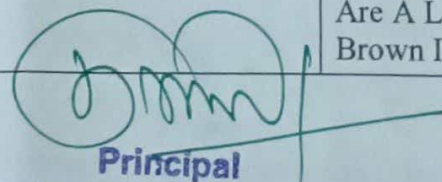

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Anadur, Tal. Tuljapur, Dist. Osmanabada

| | | | |
|---|--|-----------------------------|---|
| 3 | Bombay Locust | <i>Patanga succincta</i> | Dark Brown In Color Black Spot At The Base Of Each Wingpad |
| 4 | Aak Grasshopper | <i>Poekilocerus pictus</i> | Large Brightly Colored Grasshopper With Canary Yellow And Turquoise Stripes On Its Body |
| 5 | Western honey bee | <i>Apis mellifera</i> | Red/Brown With Black Bands And Orange Yellow Rings On Abdomen |
| 6 | Pale-Spotted Emperor | <i>Anax guttatus</i> | Bright Blue-Green Markings On The Sides |
| 7 | common picture variegated flutterer | <i>Rhyothemis variegata</i> | The trailing edge of the hind wing has a characteristic 'W' shaped coffee brown mark |

COMMON BIRDS

| SR. NO. | COMMON NAME | SCIENTIFIC NAME | SPECIAL CHARACTER OF THE SPECIES |
|---------|--------------------------|---------------------------|--|
| 1 | Indian Flying Fox | <i>Pteropus giganteus</i> | Black Back That Is Lightly Streaked With Grey, A Pale, Yellow-Brown Mantle, A Brown Head, And Dark, Brownish Underparts. It Has Large Eyes, Simple Ears, And No Facial Ornamentation |
| 2 | House Crow | <i>Corvus splendens</i> | Forehead, Crown, Throat And Upper Breast Are A Richly Glossed Black, Whilst The Neck And Breast Are A Lighter Grey-Brown In Color. |

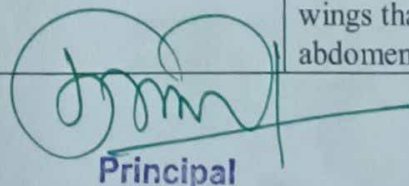

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| | | | |
|---|------------------|-----------------------------------|---|
| 3 | Common Rose | <i>Atrophaneura aristolochiae</i> | Swallowtail, Sub Marginal Row Of Red Lunular Markings And A Discal Row Of White Spots On Upper Side Of Hind Wings |
| 4 | White Orange Tip | <i>Ixias Marianne</i> | Broad, Rich, Orange Patch Obliquely Across The Black Area Extended To The Upper Apex Of The Forewing |
| 5 | Plain Tiger | <i>Danaus chrysippus</i> | The Body Is Black With Many White Spots. The Wings Are Orange, The Upperside Brighter And Richer Than The Underside. The Apical Half Of The Forewing Is Black With A White Band. The Hindwing Has Three Black Spots In The Center |
| 6 | Striped Tiger | <i>Danaus genutia</i> | Tawny Wings With Veins Marked With Broad Black Bands |
| 7 | Common Leopard | <i>Phalanta phalantha</i> | Tawny Color And Marked With Black Spots, Underside Of The Butterfly Is More Glossy Than The Upper |

COMMON INSECTS

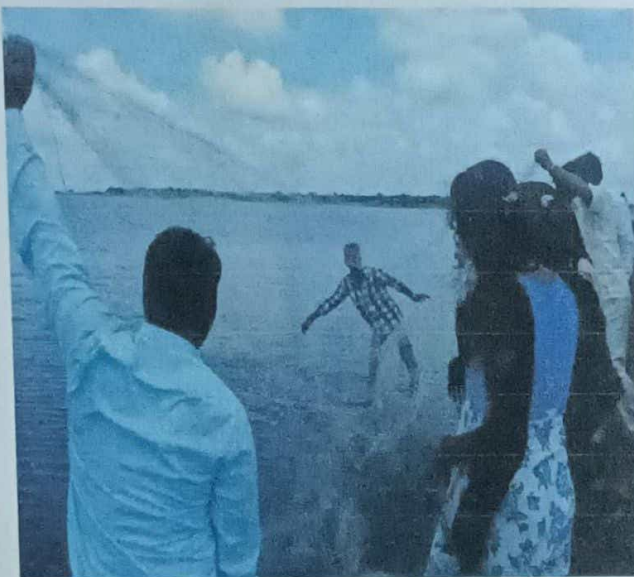
| SR. NO. | COMMON NAME | SCIENTIFIC NAME | SPECIAL CHARACTER OF THE SPECIES |
|---------|---------------|-----------------------------------|---|
| 1 | Girdle Beetle | <i>Oberea (Obereopsis) brevis</i> | Yellowish Red Overall Structure, Brown Color On The Head, Thorax And Bases Of Elytra. |
| 2 | House Cricket | <i>Acheta domesticus</i> | light yellowish-brown color, with wings that cover the abdomen |




Principal

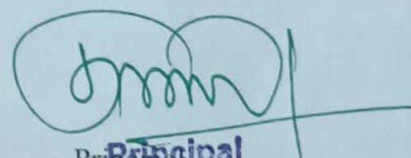
Jawahar Arts, Science & Commerce College
Anadur, Tal. Tuljapur, Dist. Osmanabad.

| | | | |
|---|--------------------|------------------------------|---|
| 3 | House Sparrow | <i>Passer domesticus</i> | Brightly Colored Bird With Gray Heads, White Cheeks, A Black Bib, And Rufous Neck |
| 4 | Asian Koel | <i>Eudynamys scolopaceus</i> | Glossy Greenish-Black, Crown Is Heavily Striped, Eyes Are Red |
| 5 | Ring Parakeet | <i>Psittacula krameri</i> | Dark Purplish Color Around Their Necks, Distinctive Green Color. |
| 6 | Common Kingfisher | <i>Alcedo atthis</i> | Blue Upperparts, Orange Underparts And A Long Bill |
| 7 | Black Feather Kite | <i>Milvus migrans</i> | Angled Wing And Distinctive Forked Tail, Tail Coloration Is Mostly Brown, With Darker Brown Striped Feathers Within |



Field Work 2021-22 Zoology Jawahar College Anadur


HOD
Dr. S. S. Baad


Principal
Jawahar Arts, Science & Commerce College
Anadur, Tal. Tuljapur, Dist. Osmanabad
Commerce College, Anadur

❖ List of Participatory Students:

| Sr. No. | Name of Student | Class | Contact Number |
|---------|-----------------------------|-------------|----------------|
| 1 | Adake Anjali Vilas | B.Sc. - II | 9370542457 |
| 2 | Alange Padmanjali | B.Sc. - II | 8421845003 |
| 3 | Badole Sanket Baburao | B.Sc. - II | 7030602330 |
| 4 | Bansode Tejas Manohar | B.Sc. - II | 9503159282 |
| 5 | Baswantbagade Vishwas Vijay | B.Sc. - II | 9329301329 |
| 6 | Birajdar Mahesh Shirshankar | B.Sc. - II | 9766267884 |
| 7 | Bodhane Nagraj Ramesh | B.Sc. - II | 9049198829 |
| 8 | Choughule Arpita Prakash | B.Sc. - II | 7887668417 |
| 9 | Chavan Anant Apparao | B.Sc. - II | 7666772697 |
| 10 | Chavan Dinesh Baburao | B.Sc. - II | 9405108912 |
| 11 | Chavan Yuvraj Sanjay | B.Sc. - II | 8262814848 |
| 12 | Dalve Jagruti Ramdas | B.Sc. - II | 7387394747 |
| 13 | Dhabhale Sagar Nagnath | B.Sc. - II | 7559393974 |
| 14 | Dharne Shruti Pradip | B.Sc. - II | 9175748269 |
| 15 | Dhotre Nkita Somnath | B.Sc. - II | 9356616574 |
| 16 | Dindore Pournima Kedarnath | B.Sc. - II | 8554072926 |
| 17 | Gade Kajal Tanaji | B.Sc. - II | 9637913552 |
| 18 | Gaikwad Dipali Madhukar | B.Sc. - II | 8830719968 |
| 19 | Gaikwad Sagar Shivaji | B.Sc. - II | 8766831617 |
| 20 | Ghante Archana Vaujinath | B.Sc. - II | 6362115037 |
| 21 | Giram Swati Dayanand | B.Sc. - II | 8668382764 |
| 22 | Gore Ranjeet Kishore | B.Sc. - II | 7888212123 |
| 23 | Gurav Kalavati Datta | B.Sc. - II | 8010188851 |
| 24 | Halde Arpita Hanmant | B.Sc. - II | 9373801716 |
| 25 | Jalkote Shubham Nagnath | B.Sc. - II | 9373494904 |
| 26 | Aagalace Sheetal Suryakant | B.Sc. - III | 9921288627 |
| 27 | Abre Mandakini Parmeshwar | B.Sc. - III | 7666090651 |
| 28 | Bansode Anjali Yallappa | B.Sc. - III | 8788277665 |
| 29 | Barule Kernah Tanaji | B.Sc. - III | 7507418287 |
| 30 | Bele Aishwarya Revansidha | B.Sc. - III | 9890446724 |
| 31 | Bhoge Rahul Rajendra | B.Sc. - III | 7066061036 |
| 32 | Bhojrange nkita vitthal | B.Sc. - III | 7083558579 |
| 33 | Bhoje Sangita Maruti | B.Sc. - III | 9022885979 |
| 34 | Birajdar Manisha Megharaj | B.Sc. - III | 7020945883 |
| 35 | Birajdar Rani Channappa | B.Sc. - III | 8999941024 |
| 36 | Chavan Ashwini Vitthal | B.Sc. - III | 8485006082 |
| 37 | Darekar Sagar Sanjay | B.Sc. - III | 8329520101 |
| 38 | Deshmukh Narayan Tukaram | B.Sc. - III | 9158896755 |
| 39 | Dharmadhikari Rutuja Sharad | B.Sc. - III | 8329393990 |
| 40 | Dhotre Pratiksha Somnath | B.Sc. - III | 9022229806 |
| 41 | Gaikwad Amol Dattatryaya | B.Sc. - III | 7057774389 |
| 42 | Gangane Swati Netaji | B.Sc. - III | 9011569405 |
| 43 | Ghokake Apparao Shbhash | B.Sc. - III | 9022480488 |
| 44 | Birajdar Prasad Vishwanath | B.Sc. - III | 9022746263 |
| 45 | Ghodake Shivram Anrut | B.Sc. - III | 8459474027 |

Principal

Jawahar Arts, Science & Commerce College
Anandur, Tal. Tuljapur, Dist. Osmanabad.



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From,

Date- 03/10/2021

The Principal,

Jawahar College of Arts, Commerce and Science College,
Anadur.

To,

The Head,

Department of Zoology,
Jawahar College of Arts, Commerce and Science College,
Anadur.

Subject: Approval for Field Work – 2021-22.

Respected Sir,

As per the request proposal submitted by you for the conductance of Field Work related to biodiversity studies 2021-22 for the students, the subject was discussed in the CDC meeting dated **01/10/2021**. The CDC Committee has granted Department of Zoology permission to conduct the proposed Field Work on Biodiversity studies on **06/04/2021**.

On behalf of Institution I ensure complete support and best wishes for the course.

Principal,

Jawahar **Principal**
Jawahar Arts, Science & Commerce College
Anadur, Tal. Tuljapur, Dist. Osmanabad...
Science College,
Anadur.



Shikshan Prasarak Mandal, Anadur's
Jawahar Arts, Science & Commerce College,
Anadur, Tq. Tuljapur, Dist. Osmanabad - 413603

NAAC: GRADE B++, CGPA: 2.81

DEPARTMENT OF ZOOLOGY



Student's Field Work 2021-22

Biodiversity Study

Species Collection and Identification in the vicinity of college campus area

❖ uIntroduction:

Biodiversity studies are mainstream areas of zoological research. They cater the needs of reporting and conservation of the diversified species in every locality. Looking at the plethora of this research area and data, and, to make students aware of the importance of biodiversity study, its methodology and reporting, the Department of Zoology, Jawahar Arts, Science and Commerce College Anadur, every year, takes initiative in arranging field work for the students. This year too, the Department of Zoology, with the approval of hon. Principal, Successfully Conducted a field work regarding biodiversity studies.

The Scheduled visit for the field work included the campus area surrounding the college campus that included the college botanical garden, aquacultural pond, social forestry, college water stream ecosystem and Anadur Percolation Dam.

Total 45 students of both B.Sc. II year and B.Sc. III year were about to participate in this field visit. Fish diversity was of major interest to students due to netting and boating activity. It explored a few Major Carps like Catla, Rohu, Mrigal, Common Carp and Silver Carp and a couple of local crab (*B. Cunicularis*) and frog (*E.Hexadactylus*) species.

- ❖ **Date:** 06 / 10 / 2021
- ❖ **Time:** 10 am to 4 pm
- ❖ **Place:** Surrounding College Campus Area
- ❖ **Habitat:** Semi-Arid region with moderate rain fall and grasslands
- ❖ **Geographical Area:** Andur, Tahsil Tuljapur, Dist. Osmanabad.

Latitute : 18.01 Longitute : 76.0711

Principal

Jawahar Arts, Science & Commerce College
Anadur, Tal. Tuljapur, Dist. Osmanabad.