



*“Dissemination of Education through Knowledge, Science and Culture”*

*- Shikshanmaharshi Dr. Bapuji Salunkhe*

**Shri Swami Vivekanand Shikshan Sanstha Kolhapur's**

**PADMABHUSHAN DR. VASANTRAODADA PATIL  
MAHAVIDYALAYA, TASGAON, DIST- SANGLI  
416 312 (Maharashtra) Phone No: (02346 - 250665)**

**(Affiliated to Shivaji University, Kolhapur)**

**Report On**

**WORLD WETLANDS DAY  
On  
2<sup>nd</sup> FEBRUARY**

**Organized By**

**DEPARTMENT OF ZOOLOGY**

**&**

**INTERNAL QUALITY ASSURANCE CELL  
(IQAC)**

**3<sup>rd</sup> February 2021**

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



Shri. Swami Vivekanand Shikshan Sanstha Kolhapur's  
Padmabhushan Dr. Vasantraodada Patil Mahavidyalaya, Tasgaon,  
Sangli-416312, Maharashtra, India  
(Affiliated to Shivaji University Kolhapur)



## WEBINAR



**Guest Speaker**  
**Prof. M. B. Mule**  
Professor & Head,  
Department of Environmental Science,  
Dr. Babasaheb Ambedkar Marathwada  
University, Aurangabad

**Date & Time**  
03<sup>rd</sup> February 2021  
01:00 pm onwards



Department of Zoology and Internal Quality Assurance Cell (IQAC) Presents  
**National Level Webinar on**

### "WETLANDS A NECESSARY NATURAL SYSTEM FOR MANKIND"

On Occasion of World Wetlands Day

World  
Wetlands Day  
3 February

Wetlands for  
our Future



#### Patrons

- ❑ **Hon. Prtn. Abhaykumar Salunkhe,**  
Chairman,  
Shri Swami Vivekanand Shikshan Sanstha Kolhapur
- ❑ **Hon. Prtn. Shubhangi Gawade,**  
Secretary,  
Shri Swami Vivekanand Shikshan Sanstha Kolhapur
- ❑ **Hon. Prtn. Dr. Y. A. Bhosale,**  
Joint Secretary (Administration),  
Shri Swami Vivekanand Shikshan Sanstha Kolhapur
- ❑ **Hon. Prtn. Dr. R. V. Shejwal,**  
Joint Secretary (Finance),  
Shri Swami Vivekanand Shikshan Sanstha Kolhapur

Dr. Milind Hujare - Principal  
Prof. S. S. Patil - IQAC Director  
Prof. S. A. Khabade - Co-venor  
Dr. P. B. Tell - Organizing Secretary

<https://us02web.zoom.us/j/83275779718?pwd=M0RnK3ZHRG1lZUJpXThEdETzczZUZlZ0Q0T09>

Event:	World Wetlands Day
Organizing Department	Department of Zoology & IQAC
Date	3 <sup>rd</sup> February 2021
Venue	Online
Participants	100
Male	31
Female	69

## NOTICE

Join our Cloud HD Video Meeting  
Zoom is the leader in modern enterprise video communications, with an easy, reliable...  
us02web.zoom.us

Shri Swami Vivekanand Shikshan  
Sanstha Kolhapur's  
Padmabhushan Dr. Vasantrodada  
Patil Mahavidyalya, Tasgaon, Dist.-  
Sangli (MS)  
Department of Zoology and Internal  
Quality Assurance Cell (IQAC)  
Presents  
National Level Webinar on  
"WETLANDS A NECESSARY  
NATURAL SYSTEM FOR MANKIND"  
On Occasion of World Wetlands Day  
are  
inviting you to a scheduled Zoom  
meeting.

Topic: National Level Webinar  
on "WETLANDS A NECESSARY  
NATURAL SYSTEM FOR MANKIND"  
On Occasion of World Wetlands Day  
Date: 3 February , 2021  
Time: 01:00 PM Onwords

Resource Person:  
Prof. M. B. Mule  
BAMU, Aurangabad.  
Click here to Join Zoom Meeting  
<https://us02web.zoom.us/j/83275779718?pwd=M0RnK3ZHRG1IZUpXTHdETzczZUZUOQT09>

Best Regards  
Dr. Milind S. Hujare  
Principal

Prof. S. S. Patil  
IQAC-Director

Prof. S. A. Khabade  
Convenor

Dr. P. B. Teli  
Organizing Secretary

Meeting ID: **832 7577 9718**  
Passcode: pdvp

4:25 PM ✓

## FEEDBACK FORM



## World Wetlands Day 2021



Forwarded



Feedback form of Webinar on  
World Wetlands Day on 3rd  
February 2021...  
[docs.google.com](https://docs.google.com)

<https://forms.gle/YAEB2FTGJMhACHv5>

Webinar Organized by Department  
of Zoology & IQAC, P. D. V. P.  
Mahavidyalya, Tasgaon, Sangli (MS).  
Fill the feedback form to get  
participation certificate on your  
registration email.

4:15 PM ✓

*"Dissemination of Education through Knowledge, Science and Culture"*

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Swami Vivekanand Shikshan Sanstha Kolhapur's

**Padmabhushan Dr. Vasantraodada Patil Mahavidyalaya, Tasgaon**

**Department of Zoology**

**&**

**Internal Quality Assurance Cell (IQAC)**

Jointly Organized

**National Level Webinar on**

**"WETLANDS A NECESSARY NATURAL SYSTEM FOR MANKIND"**

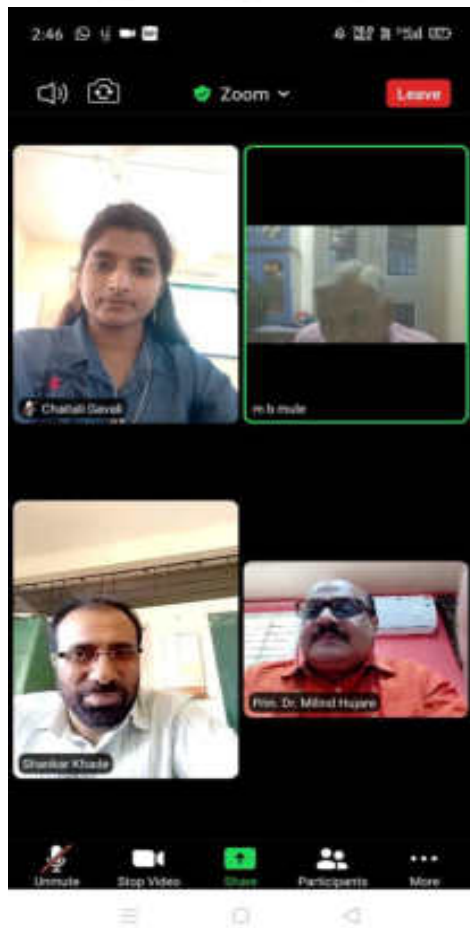
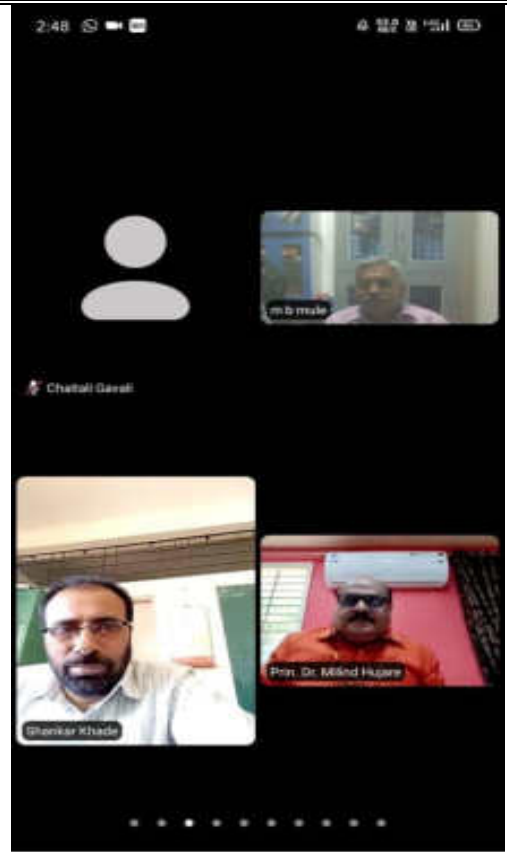
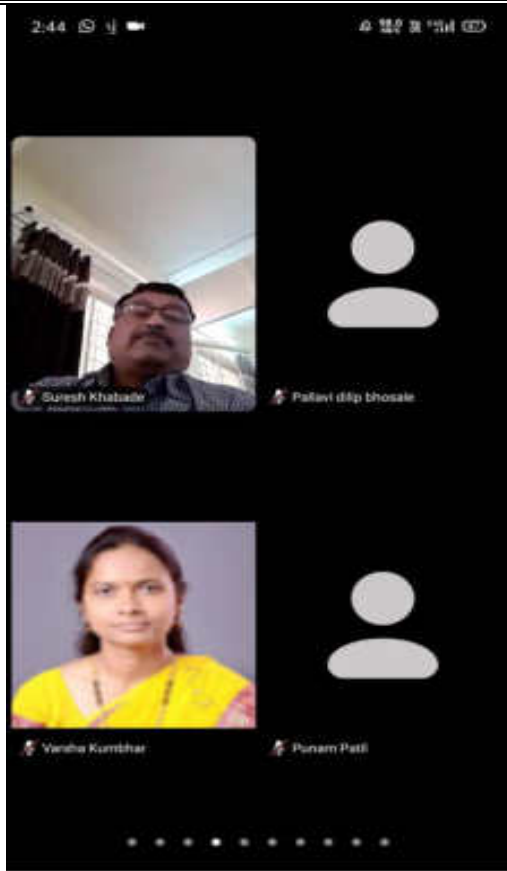
On the occasion of

**"World Wetlands Day"**

**Tuesday, 3 February 2021**

**Programme Schedule**

- |  |   |                      |
|--|---|----------------------|
| ➤ Zoom link opens and entry of participants: |   | 12.50 pm to 1 .00 pm |
| ➤ Welcome & Preface:                         | - <b>Dr. P. B. Teli</b><br>(Organising Secretary)                                     | 1.00 pm to 1.05 pm   |
| ➤ Intro of Chief Guest:                      | - <b>Prof. (Dr.) S. A. Khabade</b><br>(HOD, Dept. of Zoology, PDVP, College, Tasgaon) | 1.05 m to 1.10 pm    |
| ➤ Address by Chief Guest:                    | - <b>Prof. Dr. M. B. Mule</b><br>(Head, Dept. of Env. Science, BAMU, Aurangabad)      | 1.10 pm to 2.00 pm   |
| ➤ Presidential speech:                       | - <b>Prin. Dr. Milind S. Hujare</b><br>(Principal, P. D. V. P. College, Tasgaon)      | 2.00 pm to 2.15 pm   |
| ➤ Vote of Thanks:                            | - <b>Miss. Punam Patil</b>  | 2.15 pm onwards      |





World Wetlands Day 2021

- Celebrated every 2 February to mark the adoption of the Ramsar Convention
- Ways to get involved:
  - Visit a wetland site near you
  - Enter the photo contest (open to contestants aged 16 and up) to take a photo in a wetland location between 2 February and 2 March 2021 and upload it to [www.worldwetlands.org](http://www.worldwetlands.org) with their own garden
  - Make a pledge to take action for wetlands
  - Educate others about the importance of wetlands

A screenshot of a presentation slide. The slide has a white background with a black border. The title is "World Wetlands Day 2021" in red. Below the title, there are four bullet points. The second bullet point has a sub-bullet point. The third bullet point includes a URL. At the bottom right, there is a small video thumbnail showing a person. On the left side of the slide, there are three navigation icons: a list icon, a square icon, and a triangle icon.



• **Physical and hydrological functions of wetlands**

- Flood control
- Coastal protection
- Ground water recharge- recharge aquifers
- Sediment trap
- Prevents soil erosion- by reducing flow rate of water
- Atmospheric equilibrium
- Maintains water quality- self purification and removes toxicants
- Provide habitats to various species
- 1/3 endangered species found in wetlands- migratory birds
- Aquatic birds, sponges etc.
- Recreational site to man
- Source of various natural resource's to man

Navigation icons (back, forward, search, etc.) are visible on the left side of the slide. A small inset video of a participant is visible in the bottom right corner.

Zoom

# Wetland Functions

1. Hydrologic processes

Flood control and damage reduction by capturing, storing and slowly releasing water

Coastal wetlands moderate the effects of storms and tsunamis

Navigation icons (back, forward, search, etc.) are visible on the right side of the window. A small inset video of a participant is visible in the bottom right corner.

Unmute Start Video Mute Participants More

Wetland Functions

How wetlands work

Unmute Start Video Share Participants More

• **What can I do as an individual?**

- Take everyday decisions with the environment in mind
  - Buy sustainably raised or caught seafood, organic produce and meat
  - Take shorter showers
  - Recycle household trash, make sure batteries do not end up in landfills
  - Select native plants and use organic fertilizer in your own garden
- Join with others to make a difference
  - Consult the Ramsar website for partners and link up with their efforts
- Get involved in World Wetlands Day

• • • • • • • • • •

Ramsar Sites

- 2,186 designated Wetlands of International Importance
  - Status as of 1st October 2014
- Cover 208,449,277 hectares
  - Area slightly larger than Mexico
- Official list is available online
  - [www.ramsar.org/sites-countries/the-ramsar-sites](http://www.ramsar.org/sites-countries/the-ramsar-sites)
  - Downloadable as pdf or . . .
  - Zoom in on world map to find a Ramsar Site near you
  - Click on individual sites for information and link to Ramsar Sites Information Service (RSIS)

Unmute Start Video Share Participants More



• **The Ramsar Convention**

- Intergovernmental treaty on wetlands
  - Provides the framework for the conservation and wise use
  - 168 Parties (member countries)
  - First modern global environmental agreement
  - Named after Ramsar in Iran, where the Convention was adopted
- Members commit to:
  - Wise use of all their wetlands
  - Designate suitable wetlands for the list of Wetlands of International Importance (the "Ramsar List")
  - Cooperate on transboundary wetland systems and shared species



- Wetland Extent Index
- Jointly-sponsored indicator of decline in wetlands
- Observed a sampling of more than 1000 wetland sites globally between 1970 and 2008
- Average loss in extent of the sites surveyed over this period: 40%  
Individual sites vary sharply



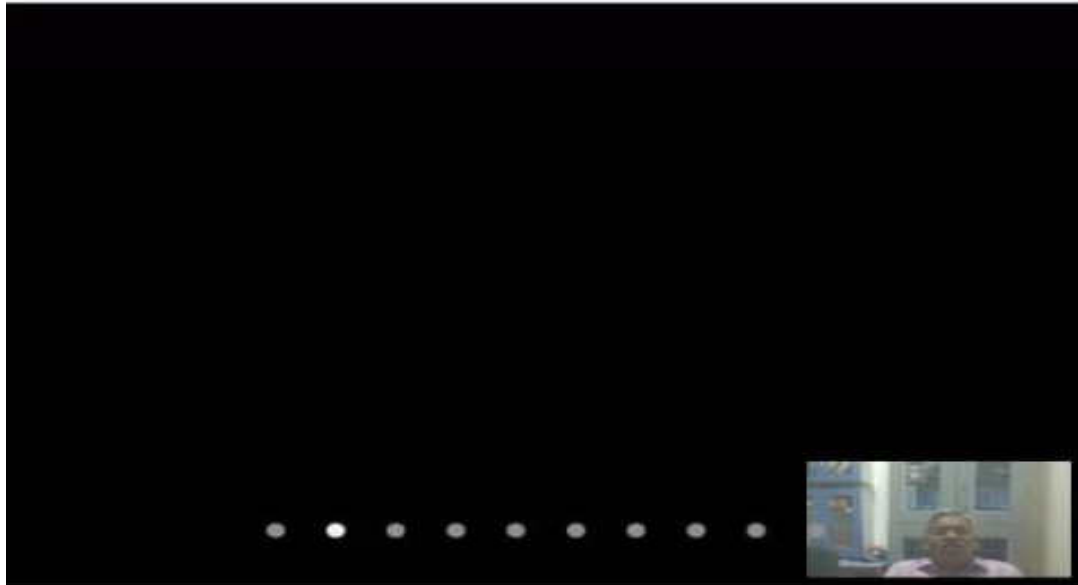
m b mule's screen

- Wetlands fight climate change
  - Peatlands alone cover an estimated 3% of the world's land area, but they hold 30% of all carbon stored on land
    - Twice the amount stored in all the world's forests!
- In the face of rising sea levels, coastal wetlands reduce the impact of typhoons and tsunamis
- Saltmarshes, mangroves act as buffers; their roots bind t<sup>ird</sup> breeding shoreline and resist erosion
  - Coastal wetlands increase resilience to the impacts of cli change
- Wet grasslands and peatlands act as natural sponges have many
- Absorb rainfall, create wide surface pools, ease floodin basins
  - Same storage capacity safeguards against drought



m b mule's screen

- Wetlands: Why should I care? How wetlands are essential to our future
- What are wetlands anyway?
- Broad definition: land areas that are flooded with water, either seasonally or permanently
- Inland wetland types: • Marshes, ponds, lakes, fens, rivers, flood plains and swamps
- Coastal wetland types: • Mangroves, saltwater marshes, estuaries, lagoons – even coral reefs
- Man-made wetlands include fish ponds, salt pans, rice paddies



2:24

- A future without wetlands?
- 64 % of the world's wetlands have disappeared since 1900
  - Loss is much higher in some regions, esp. Asia
  - Measured against 1700, wetland loss is an estimated 87% worldwide
- Rapid decline means
  - Access to fresh water is eroding for one to two billion people worldwide
  - Coastal areas are more exposed to storm surges.
- Biodiversity has also been affected
  - WWF Living Planet Index: populations of freshwater species declined by 76 % between 1970 and 2010

m b mule's screen

# Why are Wetlands Important?

Wetlands are **ecosystems**, providing water, habitat, and food upon which countless species of plants and animals depend for survival.

Wetlands perform **ecosystem services**, including water purification and storage, storm protection and flood mitigation, shoreline stabilization and erosion control, groundwater recharge and discharge, and retention of nutrients and **sediments**.

Wetlands **support human activities**, including water supply, fisheries, agricultural support through the maintenance of water tables and nutrient retention in floodplains, fuel sources, wildlife resources, transportation, and recreation and tourism.

Wetlands **enhance human well-being**, serving as a source of aesthetic and artistic inspiration, and supporting local social, economic, and cultural traditions.



**World Wetlands Day**, celebrated each year on 2 February, marks the date of the adoption of the **Convention on Wetlands (Ramsar Convention)** on 2 February 1971 in Ramsar, Iran.

## Importance of Wetlands

Wetlands are among the most diverse and productive ecosystems. They provide essential services and supply all our fresh water. Wetlands are land areas that are saturated or flooded with water either permanently or seasonally. Inland wetlands include marshes, ponds, lakes, fens, rivers, floodplains, and swamps. Coastal wetlands include saltwater marshes, estuaries, mangroves, lagoons and even coral reefs. Fishponds, rice paddies, and salt pans are human-made wetlands.

1. Wetlands are "nurseries of life" - 40% of animals breed in wetlands
2. Wetlands are "kidneys of the earth" - they clean the environment of pollutants
3. Wetlands "matter for climate change" - they store 30% of land based carbon
4. Wetlands "minimize disaster risks" - they absorb storm surge
5. Wetlands "provide livelihood to one billion people" - their ecosystems are worth USD 47 trillion annually

The World Wetlands Day program was inaugurated by **Hon. Prin. (Dr.) Milind Hujare, Dr. P. B. Teli** welcomed the Chief guest **Prof. (Dr.) M. B. Mule**. The Introduction of Chief guest **Prof. (Dr.) M. B. Mule** done by Dr. S. A. Khabade.

During World Wetlands day webinar, Chief Guest **Prof. (Dr.) M. B. Mule** delivered lecture on Wetlands. Dr. M. B. Mule gave knowledge of Wetlands of India and their Types in details and also their importance to Environment. On the World Environmental Day Webinar **Prof. (Dr.) M. B. Mule** focused on Indian Wetlands and conservation of Wetlands. Dr. M. B. Mule speaks on Importance of Wetlands, Percentage of Wetlands, Wetlands how to fight climate change and also discussed on **Ramsar site, Ramsar Convention**. He also discuss on Wetlands Extent index.

On the occasion of World Wetlands Day, **Prin. (Dr.) Milind Hujare** delivered the presidential talk on Wetlands of India as well as Maharashtra State. During Presidential talk **Dr. Milind Hujare** expressed his thoughts to all B.Sc. students and faculties. Principal speech is very informative about Wetlands.

Lastly vote of thanks expressed by **Miss. Punam Patil**. Technical session was successfully handled by Dr. Sachinkumar Shinde. **Vice Prin. Prof. (Dr.) S. Khade, Prof. (Dr.) N. A. Kulkarni, NAAC Coordinator Dr. Alka Inamdr**, Dr. P. B. Bhandare, Miss P. P. Patil, Miss C. S. Gavali, Miss. S. P. Kusarkar and B. Sc students are presents. The programme was end on 2.30 pm.

## List of Participants

1:22 100% 100%

Close Participants (100)

	Pooja Pol (me)	
	PDVP COLLEGE TASGAON (Host)	
	m b mule (Co-host)	
	._Rajan More	
	1eKC0TaTHkC3x3PSK_201SAAA...	
	Abhishek Zambre	
	Adesh mankar	
	Ajitkumar's iPhone	
	Akanksha vibhute	
	Akshada Jadhav	
	Anjali More	
	Ankita mali	
	Ankita Mane	

Invite

1:22 100% 100%

Close Participants (100)

	Archana Rajmane	
	arjun kumbhar	
	Chaitali Gavali	
	Dattatray Dadu Thorat	
	Dhiraj Patil	
	Dipali patil	
	Divya patil	
	Dr Ajay Ambhore	
	Dr. Jini Deshmane	
	Dr. Pratiksha Bhandare	
	Dr. VLJAY JADHAV	
	Galaxy M30	
	Gautami shintre	

1:22 100% 100%

Close Participants (99)

	Rohan Chavan	
	Rupali hivare	
	Rutuja Patil	
	Rutuja shinde	
	Saad Shaikh	
	sainath ghogare	
	Sakshi Balaso Ghorapade	
	sakshi bodake	
	Sakshi Mane	
	Sakshi patil	
	Sanket Deshmukh	
	Sayali Shahaji Mane	
	Shahista Mulani	

Invite

1:22 100% 100%

Close Participants (99)

	Mayuri Takale	
	Monika jadhav	
	Narendra Kulkarni	
	Neha Bedage	
	Nikalje S B	
	Nikita chougule	
	Nitin Potphode	
	OPPO A5	
	Pallavi dilip bhosale	
	Parit Poonam Rajaram	
	Patil rupali	
	Poonam mohite	
	positive Prasad	

Invite

1:22

Close Participants (99)

- PP positive Prasad
- PA Prachi A. Patil
- Pradnya Patil
- PP Pranali pawar
- PP Prathamesh Pawar
- PM Pratibha mane
- P Pratik Kothawale
- PD Prin. Dr. Milind Hujare
- PP Priti pawar
- PM PujaVishnu mirajkar
- PP Punam Patil
- RP Rajnandini patil
- RS Reshma Shinde

Invite

1:22

Close Participants (99)

- GP Geeta Patil
- GW Gitanjali wagh
- GJ Gouri Jadhav
- HJ Harshada jadhav
- HJ Harshada Jadhav
- HS Harshada Shinde
- I iPhone
- JJ Jyoti Jadhav
- KP Kamble Prachi
- KT Kamble Tejaswini
- KK Kartiki khabade
- KG Komal ghagare
- MP Mansi patil

Invite

1:23

Close Participants (98)

- SK Shailaja kusarkar
- S Shankar Khade
- SS Shradha Suryawanshi
- Shradha Taur -
- SK Shreya Kognole
- SS Shreya Shinde
- SS Shubhada shinde
- SV Shweta vikas kamble
- SJ Snehal jadhav
- SS Sumit Shinde
- SP Surbhi pawar
- S Suresh Khabade
- SP Swati pakhare

Invite

- SP Swati patil
- SP Swati Patil
- TS Tasnim Sayyad
- VD Vaishali Darekar
- VG Vaishnavi Gavandi
- VK Vaishnavi Kulkarni
- VN VASUDHA NALAWADE
- V Vijaykumar's iPhone
- D Dr. Sandhya Pawar

Invite




**Principal**

**Dr. Milind S. Hujare**



**Dr. P. B. Teli**

**Assistant Professor  
Department of Zoology**



**Dr. S. A. Khabade**

**Head  
Department of Zoology**