

**Event Report Dept of Zoology**  
Academic Year 2021-2022  
**National E -Conference Dept. of Zoology**

<b>Name of the event</b>	-One day National Webinar
<b>Theme</b>	-National webinar on Environment crisis and impact on Biodiversity and Pearl Culture.
<b>Organized /Sponsored</b>	- Dept of Zoology.
<b>Date of event</b>	- 27 <sup>th</sup> September 2021
<b>Location of event</b>	- Online through Zoom.
<b>President of event</b>	- Dr. Deepatai B. Kshirsagar
<b>Speaker of event</b>	- 1) Dr. Satish Patil (Dept. of Environmental Science Dr. BAMU Aurangabad.) 2) Dr. Arvind Kulkarni (Rtd. Principal Gramin Science college, Vishnupuri, Nanded.)
<b>Number of participants</b>	- 68
<b>Contact person Name.</b>	- Dr. P. V. Patil.

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**Summary of the Event**

Department of Zoology was organized National Webinar on “Environmental Crisis and Impact on Biodiversity and Pearl Culture” on 27<sup>th</sup> September 2021.

The chief Guest of the National Webinar was Dr. Satish Patil, Head of the Environmental Science Department, Dr. B.A.M. University, Aurangabad.

Dr. Satish Patil focused on the changing environment and their impact on aquatic animals, vertebrates, fauna, plant and animal diversity and their impact on ecosystem. He focused on increased pollution & impact on all animals. He focused use of plastic is dangerous to human.

Second Chief Guest Dr. Arvind Kulkarni (Rtd. Principal) Gramin science college Vishnupuri, Nanded.

He focused on Pearl Culture is important since ancient time, Pearl Culture is one of the best employment source for all types of farmers & people.

He also focused that within the minimum requirement this pays good income. The webinar was concluded by vote of thanks by, Dr. Shivanand Kshirsagar Vice-Principal, Mrs. K.S.K. College, Beed.

Total – 68 faculties, researchers and scholars were participated as beneficiaries of the National Webinar.



Navgan Shikshan Sanstha Rajuri's(N)  
**MRS.KESHARBAI SONAJIRAO KSHIRSAGAR ALIAS KAKU**  
Arts, Science And Commerce College, Beed.  
NAAC reaccredited with 'A' grade (3.18 CGPA as per new RAF) & ISO 9001-2015 certified



National webinar on

**"ENVIRONMENTAL CRISIS AND IMPACT ON BIODIVERSITY AND PEARL CULTURE"**

27 September 2021 at 011.00 am

Organized by

**Department of Zoology**

Resource Person-1

**Prof. Dr. Satish Patil**

Head, Department of Environment, Dr. B.A.M.U. Aurangabad

Resource Person-2:

**Dr. Arvind Kulkarni,**

Retired Principal, Gramin Science College Vishnupuri Nanded.

Chief-Organizer

**Dr. Deepa Kshirsagar**

Principal, Mrs. K.S.K. College, Beed.

**Organizing Committee**

**Dr. A. S. Hange**  
Vice Principal

**Dr. Rekha Gulve**  
PG Director

**Dr. S. V. Kshirsagar**  
Vice principal

**Dr. Prashant Patil**  
Convener  
Mob-9822992351

**Dr. Premchand Sirsat**  
Co-convener  
Mob-9423470567

**Dr. Anil Shelke**  
Co-convener  
Mob-9421342880

Microsoft PowerPoint 2010 interface showing a presentation slide titled "BIODIVERSITY CONSERVATION".

The slide content includes:

- Header:** BIODIVERSITY CONSERVATION
- Author:** Dr. Satish S. Patil, Professor & Head, Department of Environmental Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- Visuals:** A collage of four images: a tiger, sunflowers, a butterfly, and coral.

The presentation navigation pane on the left shows the following slides:

- Slide 1: BIODIVERSITY CONSERVATION (Author: Dr. Satish S. Patil)
- Slide 2: NATIONAL POLICY AND ACTION PLAN ON BIODIVERSITY (Author: Dr. Satish S. Patil)

At the bottom of the slide, there is a text box: "Click to add notes".

● REC



## World Heritage Sites

- Kaziranga National Park
- Keladeo Ghana National Park
- Manas Wildlife Sanctuary
- Nanda Devi National Park
- Sunderbans National Park

● REC



## 20 priority areas-GPA

### ***In situ* Conservation**

1. Surveying and inventorying plant genetic resources for food and agriculture
2. Supporting on-farm management and improvement of plant genetic resources for food and agriculture
3. Assisting farmers in disaster situations to restore agricultural systems
4. Promoting *in situ* conservation of wild crop relatives and wild plants for food production.

### ***Ex situ* Conservation**

5. Sustaining existing *ex situ* collections
6. Regenerating threatened *ex situ* accessions
7. Supporting planned and targeted collecting of plant genetic resources for food and agriculture
8. Expanding *ex situ* conservation activities

Pearl culture-ppt (2) - Microsoft PowerPoint

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Slides Outline

**Pearl culture in Fresh water**

Dr.A.N.Kulkarni  
M.Sc., Ph.D., B.Ed., F.I.A.A.B.

Rtd.Principal,  
Gramin science college  
Vishnupuri, Nanded




**Introduction**

- The origin of pearl is known to us since ancient time. Chinese records show that pearl was known to them as far back as 2300 B.C.
- Pearl is of animal origin and is obtained from Pearl oyster belonging to phylum mollusca.
- A pearl due to its delicate appearance and shine has retained its position as a costly ornamental object.
- Due to its properties, it occupied important place in the crown of great emperors and queens.
- It was considered to be the indication of richness of the kingdom.

- The old ancient Hindu believe, which still persists in common Indians is that the rain drops of "matti machhara", when fall inside the open mouth of pearl oyster become converted into pearl.
- But the actual nature and mode of formation of pearl inside the oyster has now been explained scientifically.
- Pearl culture which is not a very old venture is restricted to certain parts of the world only.
- It includes the culture of oysters in restricted areas and attaining a particular size and

# Pearl culture in Fresh water

Dr.A.N.Kulkarni  
(M.sc.,Ph.D.,B.Ed.,F.I.A.A.B)  
Rtd.Principal,  
Gramin science college  
Vishnupuri, Nanded



Slide 1 of 46 Concourse 68%

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Slides Outline

**Pearl culture in Fresh water**  
Dr.A.N.Kulkarni  
M.Sc., Ph.D., S.Ed., P.T.C., A.S.T.  
Retd. Principal,  
Crimin science collage  
Vijayapur/Unnadol



**Introduction**

- The origin of pearl is known to us since ancient time. Chinese records show that pearl was known to them as far back as 2300 B.C.
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Slide 2 of 46 | Concourse

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Slides Outline

**Pearl culture in Fresh water**  
Dr.A.N.Kulkarni  
Ph.D., S.Sc., P.A.A.S.  
Rtd.Principal,  
Gream science college  
Vishnupuri,Ward-2



**Introduction**

- The origin of pearl is known to us since ancient time. Chinese records show that pearl was known to them as far back as 2300 B.C.
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Slide 2 of 46 | Concourse



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Microsoft PowerPoint window titled "Pearl culture-ppt (2) - Microsoft PowerPoint". The ribbon includes Home, Insert, Design, Animations, Slide Show, Review, and View. The main slide content is as follows:

**Species used in freshwater pearl culture**


In India the common species used in freshwater environment in pearl culture operations are

- 1- *Lamellidens marginalis*
- 2- *L. corrianus*, and
- 3- *P. corrugata*.


**1- *Lamellidens marginalis* :**  
Shell oblong, periostracum blackish brown and shining light brown border along ventral margin.



**2- *Lamelidens corrianus* :**  
Shell narrow and elongate, periostracum is dark brown in color.



**3- *Peregrina corrugata* :**  
Shell green, elliptic to oval in shape and scarlets in equilateral. The surface is smooth; umbones are prominent with radiating sculptures along oblique and linear ridges. The ventral margin is convex, lunules are well-marked and vertical teeth distinct.



Slide 14 of 46. "Concourse"

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Slides Outline


15 3-*Parreysia corrugata*:  
Shell green, elliptic to oval in shape and scarcely in equilateral. The surface is smooth; umbones are prominent with radiating sculptures along oblique and linear ridges. The ventral margin is convex, lunules are well-marked and cardinal teeth strong.




16 Steps involved in freshwater pearl culture operations:

- 1-Collection of mussels
- 2-Preparation of nucleus
- 3-Preparation of sizer
- 4-Preparation of sizer
- 5-Preparation of sizer
- 6-Preparation of sizer

17 1-Collection of mussels  
The healthy mussels are collected from the freshwater bodies like pond, river etc. They are collected manually and kept in buckets or containers with water. The ideal mussel size used for pearl culture is over 8 cm in anterior.



3-*Parreysia corrugata* :  
Shell green, elliptic to oval in shape and scarcely in equilateral.  
The surface is smooth; umbones are prominent with radiating sculptures along oblique and linear ridges. The ventral margin is convex, lunules are well-marked and cardinal teeth strong.



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**1-Collection of mussels**  
The healthy mussels are collected from the freshwater bodies like pond, river etc. They are collected manually and kept in buckets or containers with water. The ideal mussel size used for pearl culture is over 8 cm in anterior-posterior length.



**2-Pre-operative conditioning**  
The collected mussels are kept for pre-operative conditioning for 2 to 3 days by keeping them in crowded condition in captivity with aged tap water at a stocking density of 1 mussel/l. Pre-operative conditioning helps in weakening of adductor muscles, which helps in easy handling during surgery.




**3-Mussel surgery**  
Depending on the place of surgery the implantation is of three types viz. mantle cavity, mantle tissue and gonadal implantations. The key materials required during the surgical implantations are beads or nuclei and instruments. Nuclei are usually made from mother shell.



**2-Pre-operative conditioning**

- ▶ The collected mussels are kept for pre-operative conditioning for 2 to 3 days by keeping them in crowded condition in captivity with aged tap water at a stocking density of 1 mussel/l
- ▶ Pre-operative conditioning helps in weakening of adductor muscles, which helps in easy handling during surgery.



Slide 17 of 46 "Concourse" 66%

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Slides Outline

19. **2-Mixed surgery**  
- Depending on the place of surgery, the implantative is of three types viz- mantle cavity, mantle tissue and gonadal implantations.  
- The key materials required during the surgical implantations are beads or nuclei and instruments.  
- Nuclei are usually made from mollusc shell or other calcareous materials.




20. **a) Mantle cavity implantation**  
In this procedure round (4-6 mm diameter) or designed (images of Lord Ganesh, Buddha, etc.) beads are inserted into the mantle cavity region of mussel after opening the two valves of animal and separating carefully the mantles of anterior sides from the shell with the help of surgical set.



21. - Implantation may be done in mantle cavities of both the valves.  
- In case of implantation of designed beads care is taken such a way that the design portion faces the mantle.  
- After placing the bead in desired place the gap created during implantation is closed just by pushing the mantle onto the shell.

**a) Mantle cavity implantation:**

- In this procedure round (4-6 mm diameter) or designed (images of Lord Ganesh, Buddha, etc.) beads are inserted into the mantle cavity region of mussel after opening the two valves of animal and separating carefully the mantles of anterior sides from the shell with the help of surgical set.



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- 39 The pond culture of operated mussels varies from six month or more depending upon the size and number of nuclear implants, health of the mussels and the condition of the pond environment. The culture units require periodic cleaning of accumulated silt and other fouling fauna, finding entry in to the units.



- 40 **6- Pearl harvest**
  - At the end of the culture period the mussels are harvested.
  - The mussels are either crushed following by sieving to extract pearl or the mussel is individually sacrificed, or individually pairs are taken out from the pearl sac of the live mussels without sacrificing.



- 41 **NACRE SECRETION AND PEARL FORMATION**



Slide 39 of 46 "Concourse"

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# Event Report Dept. of Zoology

Academic Year 2021-2022

## Wild- Life Week

<b>Name of the event</b>	-Wild-Life Week celebration
<b>Theme</b>	- Wild-Life Week
<b>Organized /Sponsored</b>	- Dept. of Zoology.
<b>Date of event</b>	- 02-10-2021 to 08-10-2021
<b>Location of event</b>	-Online through Zoom.
<b>President of event</b>	-Dr. Deepatai B. Kshirsagar
<b>Speaker of event</b>	-1) Shri. Amol Mundhe (RFO. Beed) 2) Dr. S.B. Ingole (H.O.D. Zoology Department Siddheshwar College Majalgaon.) 3) Shri. Sidharth Sonwane (Sarp-Mitra Tagadgaon) 4) Dr. Feroj Shaikh (Dept. Of Zoology Milliya College Beed)
<b>Number of participants</b>	- 36
<b>Contact person Name.</b>	- Dr. A. N. Shelke

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### Summary of the Event


On the occasion of Golden Jubilee year of College, Every Year Department of Zoology celebrated Wild life week on 02-10-2021 to 08-10-2021.


In this year we're arranged Guest guidance of Resource person on the Date. 03/10/2021 **Shri. Amol Mundhe** (RFO. Beed & Georai Forest Dept.) addressed the students about Man-Animal conflict. They also taught how to survive against the wild animals in between attacks of animals to the human territory.

On Date. 06/10/2021 **Dr. S.B. Ingole** (H.O.D. Dept. Of Zoology Siddheshwar College, Majalgaon) were present to guide about "**Biodiversity & its Conservation**". He told about endangered species which are about to extinct, global warming and its effects and also given an account on the depletion of ozone layer, importance of Plant in the biodiversity, dependence of ecosystem on the primary producers i.e. plants.

On Date. 07/10/2021 **Shri. Sidharth Sonwane** (Sarp-Mitra , Tagadgaon) gave us deep knowledge about snakes and their behavior, conservations of snakes and also their importance in the energy cycle.

On Date. 08/10/2021 **Dr. Feroj Shaikh** (Dept. Of Zoology, Milliya College, Beed) were present to address about **Environment and Sanctuary**. He said about birds when you have the watch the birds early in the morning and evening. He also mentioned about Naygaon Peacock Sanctuary in Beed District.



**Mrs. K.S.K. Alias Kaku Arts, Science & Commerce College, Beed**  
 NAAC reaccredited with 'A' Grade (with CGPA 3.18 as per new RAF) ISO 9001-2015 Certified  
**Golden Jubilee Year(2021-22)**  
**Department of Zoology**  
 Celebrates  
**WILD LIFE WEEK**  
 On  
 (02 October to 08 October, 2021)  
**Topic: Man- Animal Conflict**  
**03-10-2021, Sunday**  
 Time -11.30 am  
 Through Zoom meeting



**President**  
**Dr. Deepa Kshirsagar**  
Principal

**Dr. Abasaheb Hange**  
(Vice Principal)


**Dr. Sirsat P.B.**  
Associate Professor,  
Department of Zoology



In the Presence of

**Dr. Rekha Gulve** (P. G. Director)


**Dr. Patil P.V.,**  
Professor,  
Department of Zoology




**Resource Person**  
**Shree. Amol Mundhe**  
RFO , Beed

**Dr. Shivanand Kshirsagar**  
(Vice Principal and IQAC Coordinator)

**Dr. Shelke A.N.**  
Assistant Professor and Head,  
Department of Zoology



**Mrs. K.S.K. Alias Kaku Arts, Science & Commerce College, Beed**  
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**Golden Jubilee Year(2021-22)**  
**Department of Zoology**  
 Celebrates  
**WILD LIFE WEEK**  
 On  
 (02 October to 08 October, 2021)  
**Topic: Biodiversity and its Conservation**  
**06-10-2021, Wednesday**  
 Time -11.30 am  
 Through Zoom meeting



**President**  
**Dr. Deepa Kshirsagar**  
Principal

**Dr. Abasaheb Hange**  
(Vice Principal)


**Dr. Sirsat P.B.**  
Associate Professor,  
Department of Zoology



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Department of Zoology




**Resource Person**  
**Dr. Ingole S.B.**  
Head, Dept. of Zoology,  
Shiddheshwar College Majalgaon

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**Golden Jubilee Year(2021-22)**  
**Department of Zoology**  
 Celebrates  
**Wild Life Week**  
 On  
 (02 October to 08 October, 2021)  
**Topic: Wild Life and Human Beings**  
**07-10-2021 , Thursday**  
 Time -11.30 am  
 Through Zoom meeting



**President**  
**Dr. Deepa Kshirsagar**  
Principal

**Dr. Abasaheb Hange**  
(Vice Principal)


**Dr. Sirsat P.B.**  
Associate Professor,  
Department of Zoology



In the Presence of

**Dr. Rekha Gulve** (P. G. Director)

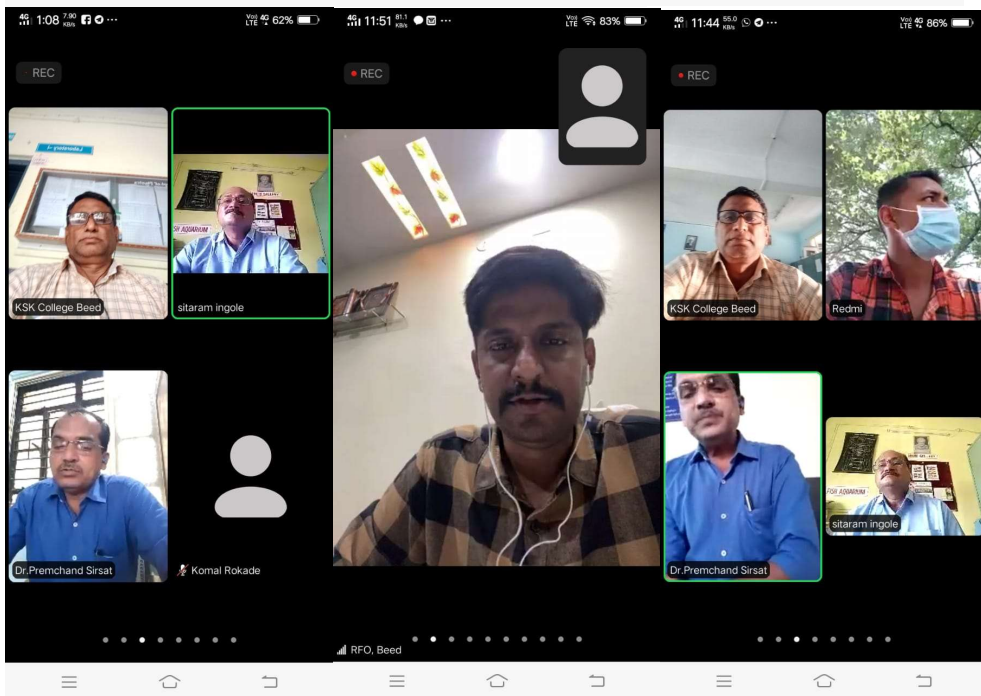
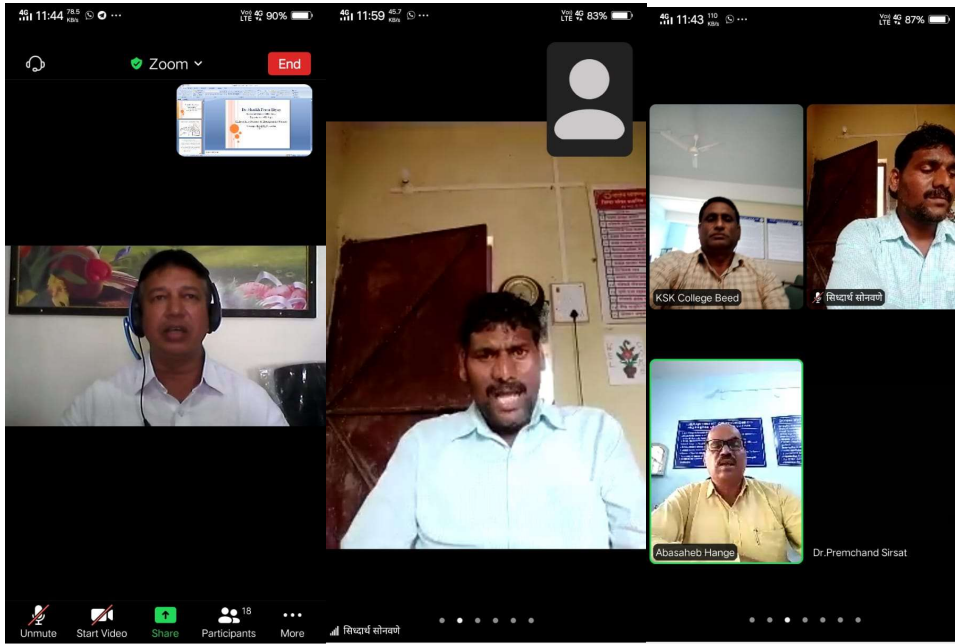
**Dr. Patil P.V.,**  
Professor,  
Department of Zoology



**Resource Person**  
**Shri.Siddharth Sonawane**  
Sarp Mitra, Beed

**Dr. Shivanand Kshirsagar**  
(Vice Principal and IQAC Coordinator)

**Dr. Shelke A.N.**  
Assistant Professor and Head,  
Department of Zoology





# पार्श्वभूमी

२०२१ शनिवार

गंमत भंडारी

ई-पेपर : [www.parshvbhumi.com](http://www.parshvbhumi.com)

## सौ.केएसके महाविद्यालयात वन्यजीव सप्ताह साजरा

बीड दि ८ (प्रतिनिधी)-शहरातील सौ.केशरबाई सोनाजीराव क्षीरसागर उर्फ काकू कला, विज्ञान व वाणिज्य महाविद्यालयाच्या २०२१-२२ सुवर्ण वर्ष निमित्त प्राणीशास्त्र विभागाच्या वतीने प्रतीवर्षा प्रमाणे २ ऑक्टोबर ते ८ ऑक्टोबर या कालावधीमध्ये वन्यजीव सप्ताह प्रा दीपाताई क्षीरसागर यांच्या अध्यक्षतेखाली ऑनलाइन पध्दतीने साजरा करण्यात आला.

या सप्ताहात दि. ३ ऑक्टोबर २०२१ रोजी अमोल मुंडे वन परिक्षेत्र विभाग, बीड यांचे, ६ ऑक्टोबर रोजी डॉ.इंगोले एस.बी. प्राणीशास्त्र विभाग प्रमुख सिध्देश्वर

महाविद्यालय,माजलगाव यांचे, ७ ऑक्टोबर रोजी सर्पराज्ञी वन्यजीव पूर्वसन केंद्राचे संचालक सिध्दार्थ सोनवणे यांचे, ८ ऑक्टोबर रोजी डॉ.फिरोज शेख, प्राणीशास्त्र विभाग, मिलीया महाविद्यालय, बीड यांचे असे सदर व्यक्तींनी विविध विषयावर व्याख्यान दिले. यावेळी उपप्राचार्य डॉ.आबासाहेब हंगे, उपप्राचार्य डॉ.शिवानंद क्षीरसागर,पदव्युत्तर विभाग प्रमुख डॉ.रेखा गुळवे, कमवि उपप्राचार्य एल.एन. सय्यद, पर्यवेक्षक जालींदर कोळेकर आदी उपस्थित होते. प्राणीशास्त्र विभाग प्रमुख डॉ.शेळके ए.एन. प्रास्ताविक यांनी केले तर संचलन डॉ.प्रेमचंद सिरसट यांनी केले.

Close Participants (16)

Call

Close Participants (36)

Close Participants (36)

Search

Participants list (16):

- Asha Ghuge
- Bappasaheb Lavhale
- Hire disha
- Jayshree supekar
- Komal Rokade
- Manisha Khandelwal
- Prashant patil
- Sachin Pawar
- Sathe dhanshree Vikram
- Shingare Aishwarya
- V2037
- KSK College B... (Host, me)
- Dr.Premchand Sirsat
- sitaram ingole
- Ajay s shelar
- Amol katwate
- Ansarullah Khan
- Bappasaheb Lavhale
- Bhagyashri pawar
- Dhanraj Chikne
- Dipak kadam

Participants list (36):

- Bhagyashri pawar
- Dr.Premchand Sirsat
- eyJfbil6IyMDI5liwX3MIOI...
- Harsh. R. Telap 9th D
- Jayshree supekar
- Kiran vanjare
- Komal Rokade
- korde kajal
- Krushna wanve
- Lakhe Shivani
- Paraskar manjusha
- Shelke Anil (me)
- KSK College Beed (Host)
- POCO M2 Pro
- Admane Dnyaneshwar
- RFO, Beed
- @Rathod.
- Akshata k. Dawkar
- Amol katwate
- Anushka shelke
- Asha Ghuge

Invite Mute All ... Invite Mute All ... Invite

# Event Report Dept. of Zoology

Academic Year 2021-2022

## Guest Lecture

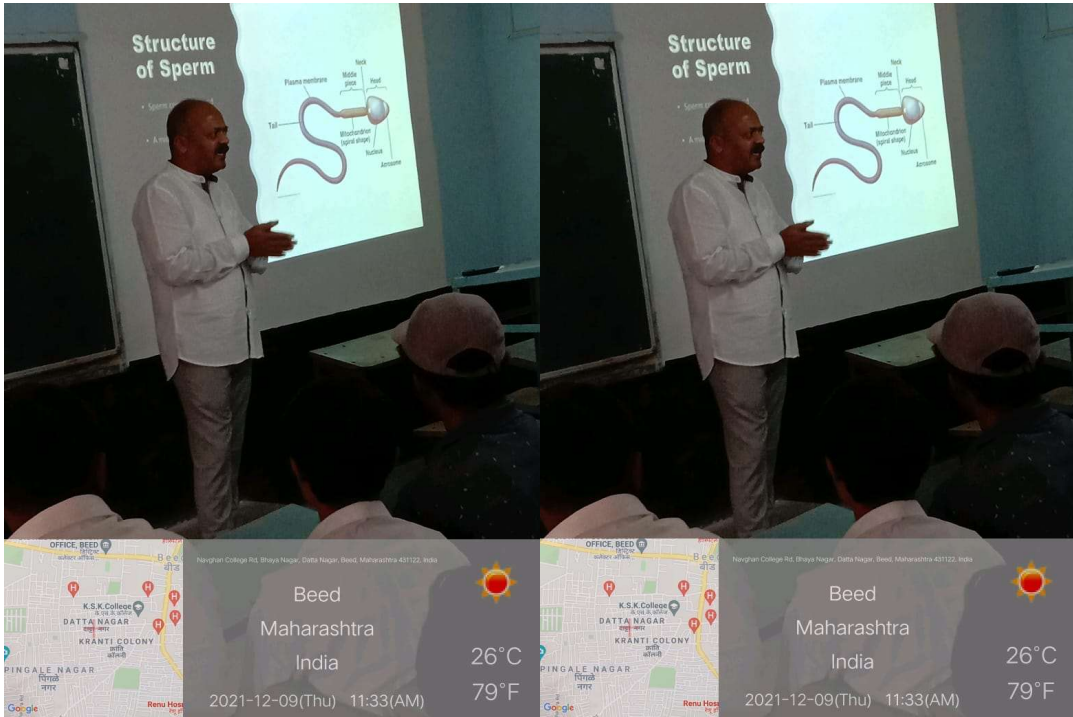
<b>Name of the event</b>	-Guest Lecture
<b>Theme</b>	- Sperm Count & infertility in males
<b>Organized /Sponsored</b>	- Dept. of Zoology.
<b>Date of event</b>	- 09/12/2021
<b>Location of event</b>	-Mrs. K.S.K. College, Beed.
<b>President of event</b>	-Dr. Deepatai B. Kshirsagar Dr. S.V. Kshirsagar Dr. A.S. Hange
<b>Speaker of event</b>	-1) Dr. Pramod Rokade (Dept. Of Zoology Balbhim College, Beed)
<b>Number of participants</b>	- 40
<b>Contact person Name.</b>	- Dr. A. N. Shelke

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### The summery of the event

Guest on the sperm count and infertility in males was organized by Department of Zoology in our college Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts, Science & Commerce College, Beed on date 09/12/2021. Time:- 11.30 AM.

They said about the Sperm count and infertility in males. How to maintain healthy lifestyle in the busy schedule of day to day work. Proper diet and exercise for good health. Effect of pollution on the human bodies. Precautions taken before the causes. Stress management during work and daily life. How to control or avoid addiction to unwanted things and drugs.



**Dr. Pramod Rokade**





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Beed  
Maharashtra  
India



26°C  
79°F

2021-12-09(Thu) 11:15(AM)

**Dr. A.S. Hange**





# Event Report Dept. of Zoology

Academic Year 2021-2022

## One Day Short Tour

<b>Name of the event</b>	-One day short Tour
<b>Theme</b>	- Visit to sericulture Industry (Talwat Borgaon Tq. Georai Dist.Beed 431122)
<b>Organized /Sponsored</b>	- Dept. of Zoology.
<b>Date of event</b>	- 02/03/2022
<b>Location of event</b>	-Mrs. K.S.K. College, Beed.
<b>President of event</b>	-Dr. Deepatai B. Kshirsagar Dr. S.V. Kshirsagar
<b>Speaker of event</b>	-1) Navnath Gade (Farmer, Talwat Borgaon, Tq. Georai Dist. Beed Mo. 9075550205)
<b>Number of participants</b>	- 16
<b>Contact person Name.</b>	- Dr. A. N. Shelke

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### Summary of the Event

One day short tour was organized by Department of Zoology Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts, Science & Commerce College, Beed. To visit the Sericulture plant situated at Talwat Borgaon Tq. Georai Dist. Beed. 431122.

The purpose of the tour is that to give the information about the new trends in sericulture industry and the process of extraction of silk from beginning to end. The farmer Mr. Navnath Gade given detail account on the process of silk farming and the mulberry plant. From extraction of cocoon to the preparation of silk cloths. Duration of the hatching from eggs to larvae. Taking care majors. And also market value of the silk.

P.G. students of M.Sc. I & II year Dept. Of Zoology were present on the day of short tour. All the students taken proper guidance from farmer and the workers.







