

Shri Vithhal Rukhmini College Sawana
Pracals
Subject: Zoology

Sr. No.	Name of the Practicals	Video link
B.Sc. I (Sem I)		
1	Classification of chordata	https://www.youtube.com/watch?v=xl8xwBH15Hg
2	Study of permanent slides of Ascaris eggs	https://www.youtube.com/watch?v=uNCFWvB_Nfw
3	Anatomical study of leech: Reproductive system	https://www.youtube.com/watch?v=8fCsHbbxyro
4	Mounting of Mosquitoes	https://www.youtube.com/watch?v=RLIYuXIUS3k
B.Sc. II (Sem III)		
1	Classification phylum chordata	https://www.youtube.com/watch?v=uyBhOAY8FAE
2	Osteology: Rabbit	https://www.youtube.com/watch?v=wOakTEMqy4
3	Study of Fossils	https://www.youtube.com/watch?v=SEDFry6DQns
4	Analogous and Homologous organs	https://www.youtube.com/watch?v=2N3OPRodRvk
5	Connecting links between two different groups	https://www.youtube.com/watch?v=LXSkblbmlZI
6	Histological slides of Amphioxus	https://www.youtube.com/watch?v=aZJC-ilKKUA
7	T. S. Of stomach of frog	https://www.youtube.com/watch?v=g3F5Cd8hH0E
B.Sc. III (Sem V)		
1	Detection blood group in human being	https://www.youtube.com/watch?v=PLhbRulwNV0
2	WBCs count in blood	https://www.youtube.com/watch?v=7g0wifwNGCQ
3	RBCs Count in blood	https://www.youtube.com/watch?v=0f9p9JX4qJk
4	Preparation of Haemin crystal	https://www.youtube.com/watch?v=mOrRJBqm744
5	Measurement of blood pressure	https://www.youtube.com/watch?v=UGOoeqSo_ws
6	Histological slides of Respiratory system	https://www.youtube.com/watch?v=N9AG8RY46Nk

Sr. No.	Name of the Practicals	Video link
B.Sc. I (Sem II)		
1	Use, care and maintenance of microscope	https://www.youtube.com/watch?v=bKdrAPGImcs
2	Gram staining of bacteria	https://www.youtube.com/watch?v=-OvDvS-Pec
3	Preparation of polytene chromosome	https://www.youtube.com/watch?v=sm3X6HThJNQ
4	Stages of mitosis in onion root tips	https://www.youtube.com/watch?v=5-ur7bWqIDQ
5	Demonstration of developing chick embryo	https://www.youtube.com/watch?v=PedajVADLGw
6	Life cycle of Mosquitoes	https://www.youtube.com/watch?v=mroLFTPhL90
7	Permanent slides of chick Embryo	https://www.youtube.com/watch?v=Vky8QN63eVE
B.Sc. II (Sem IV)		

Principal
Shri Vithhal Rukhmini
College, Sawana
Ta. Mahasana Dist. Yavatmal

Shri Vitthal Rukhmini College, Sawana

Department of Botany

Projects 2020-21

1) Seed collection

Ex-situ conservation of plant genetic resource can be achieved through seed banks. The main objective behind this project to Conservation of germ plasma of local vegetables, fruits, crop, medicinal plants as well as staple food varieties available in the area and create interest and awareness among students about Ex-situ conservation of plant genetic resources. During the period of 2020-21 under this project students collected near about 50 types of seeds and preserved in botanical seed repository

Sr. No	Name of students	Collected seeds
1	Abhijit Sanjay Ranvir	<i>Senna obtusifolia</i>
2	Poonam santosh chavhan	<i>Tectona grandis</i>
3	Aarti Dipak Panse	<i>Dhatura stramonium</i>
4	Rohit Yashwantrao Deshmukh	<i>Piper longum</i>
5	Balaji ashok jadhav	<i>Abrus precatorius</i>
6	sudesh ramesh devsarkar	<i>Semicarpous anacardium</i>
7	Jay vishwambhar jadhao	<i>Abutilon indicum</i>
8	VAISHNAVI DIGAMBAR JADHAO	<i>Pisum sativum</i>
9	Punam Gajanan payaghan	<i>Cajanus cajan</i>
10	Vishal Datta Jadhav	<i>Vigna radiata</i>
11	Subodhkamble	<i>Ricinus communis</i>
12	Nikita ganesh vajirabade	<i>Terminalia chebula</i>
13	Anjali Balaji Vajirabade	<i>Terminalia bellerica</i>
14	Akash Uttam Bhise	<i>Zea mays</i>
15	Nikita Prakash Dhore	<i>Carica papaya</i>
16	Shubham Rahul Bhaware	<i>Mangifera indica</i>
17	Aditya Pundlik Wadekar	<i>Pennisetum glaucum</i>
18	Abhishek Sudhakar jadhao	<i>Anacyelus pyrethrum</i>
19	Sagar Santosh Pawar	<i>Coriandrum sativum</i>
20	Manisha bhalchandra gaykwad	<i>Acacia nilotica</i>
21	Shubhangi yashwantrao deshmkh	<i>Butea monosperma</i>
22	Prajyot naik	<i>Trigonella foenum-graecum</i>
23	Ankita Digambar Gaikwad	<i>Spinacia oleracea</i>
24	Abhinav Dattrao Narwade	<i>Momordica charantia</i>
25	Faizan Rafik Sheikh	<i>Citrus lemon</i>
26	Divya Gunaji Pate	<i>Cucumis sativus</i>
27	Shital Mangilal Rathod	<i>Acacia nilotica</i>
28	Ravikiran Sunil Hajare	<i>Cucumis sativus</i>
29	Durgesh Gangaram Rawte	<i>Brassica juncea</i>
30	Nausheen khanam shaikh Nisar	<i>Gossypium herbaceum</i>

Shri Vitthal Rukhmini College, Sawana

Department of Botany

B.Sc -III (SEM-V)

LABORATORY EXERCISE

Part 1: Plant Physiology: Major experiment

Experiment Number 1

Aim: To study the effect of temperature and organic solvent on permeability of plasma membranes.

Material required: Water baths, Thermometer, Distilled water, large beetroot, Cork borer size no. 4 or 5

Chemicals: Alcohols and methanol.

Principle: Living beetroot cells are suitable materials to demonstrate the effects of high temperature and chemicals on the permeability of cell membranes. Beetroot contains a red pigment called anthocyanin, which is located in the large central vacuoles of the beetroot cells. As long as the cells and their membranes are intact, the anthocyanin will remain inside the vacuoles. However, if the membranes are damaged, anthocyanin will leak out and produce a red colour in the water surrounding the beetroot. The intensity of red colour in the water can be used to assess the degree of damage to living membranes by different factors. High temperature and organic solvents e.g., alcohols, denature membrane proteins and increase the fluidity of membrane lipids. Organic solvents at high concentrations can also dissolve lipids. Acetone, alcohol and chloroform are organic solvents that severely destroy membranes.

Procedure: (For high temperature)

1. Use a cork borer to cut cylinders of tissue from a beetroot.
2. Cut the cylinders of beetroot into thin discs of about 3 mm thick.


Principal
Shri Vitthal Rukhmini
College, Sawana
Tq. Mo... on Dist. Yavatmal

31	Samadhan laxman jamdhade	<i>Abolmoscus esculantes</i>
32	Ashwini kondbarao ukande	<i>Capsicum annum</i>
33	Pallavi Dilip Gaulkar	<i>Allium sativum</i>
34	Aditya devidas daware	<i>Cucurbita maxima</i>
35	Tejas Ramesh Rewanwar	<i>Lycopersion lycopersicum(tomato)</i>
36	Asha chandusing jathawa	<i>Moringa oleifera</i>
37	Shivam Dnyaneshwar Gore	<i>Sesbania grandiflora</i>
38	Hazequa Firdous	<i>Hibiscus sabdarifa</i>
39	Punam Anil Devsarkar	<i>Rumex acetosa</i>
40	Mohammad Aadil	<i>Vigna sinnsis</i>
41	Aarti Dipak Panse	<i>Phaseolus vulgaris</i>
42	Pratham Digambar Deshmukh	<i>Asparagus racemosus</i>
43	Muhammad BILAL Muhammad Hanif gauri	<i>Tamarindus indica</i>
44	Ujawaldip pandit Kamble	<i>Sesamum indicum</i>
45	Vaishnavi Apparao Ade	<i>Pennisetum glaucum</i>
46	Vaishnavi kailas paikarao	<i>Canna generalis</i>
47	Viren Tryambak Chakranarayan	<i>Glycine max</i>
48	Vivek Sanjay Pande	<i>Trigonella foenum</i>



Principali
Principal
Shri Vitthal Rukhmini
College, Sawana
Tq. Mahagaon Dist. Yavatmal

Shri Vitthal Rukhmini College, Sawana

Department of Physics

Session-2020-2021

Practical You Tube Link

PHYSICS SEM-1

Sr. No.	Name of Experiment	You tube Link
1	Determination of coefficient of restitution for inelastic collision.	https://youtu.be/cgP2-dYtef0
2	Moment of inertia of fly wheel.	https://youtu.be/9agoJRCnu4w
3	Study of compound pendulum.	https://youtu.be/N7_4nX-CQgc
4	Modulus of rigidity by Torsional Pendulum.	https://youtu.be/Qq-XWf2r6-g
5	Acceleration due to gravity by Kater's pendulum.	https://youtu.be/tFPfXe2ysHE
6	Young's modulus by cantilever.	https://youtu.be/4KV08s-qd2A
7	Young's Modulus by bending of beam.	https://youtu.be/UPv09L8trz0
8	Modulus of rigidity by Maxwell's needle.	https://youtu.be/TdhpBSwA95g
9	Determination of Surface tension by Jager's method.	https://youtu.be/jIjZSAeCqHs


Principal
Shri Vitthal Rukhmini
College, Sawana
Tq. Mahagaon Dist. Yavatmal

PHYSICS SEM-II

Sr. No.	Name of Experiment	You Tube Link
1	Measurement of low resistance by potentiometer.	https://youtu.be/58Klcnx2soc
2	To determine high resistance by leakage method.	https://youtu.be/8KbPLRCPhZU
3	Verification of laws of capacitances.	https://youtu.be/0LWNWNt4hiI
4	Study of transformer	https://youtu.be/JnTV0O2D-qo
5	Verification of Kirchoff's law, using electrical network.	https://youtu.be/bWLDpsjSj0M
6	Verification of Maximum power transfer theorem.	https://youtu.be/Fb_vDMet_Y
7	Verification of Thevenin's theorem.	https://youtu.be/IBjdVAK4QxM
8	Verification of Norton's theorem.	https://youtu.be/x7QRAM5w1K8
9	Verification of Milliman's theorem.	https://youtu.be/7cJLAL6bZ9Y

PHYSICS SEM-III

Sr. No.	Name of Experiment	You tube Link
1	To determine characteristics of CE transistor	https://youtu.be/4ZlcbPcMpCA
2	To determine characteristics of FET	https://youtu.be/4xKSh4VFF-U
3	To study FET as a voltmeter	
4	To study Zener regulated power supply	https://youtu.be/Da39JHhNWqk
5	To study phase shift oscillator	https://youtu.be/E0E1OqBUu78

Principal
 Shri Vitthal Rukhmini
 College, Savasa
 To. Mahagaon De. 422702

6	To determine characteristics of p-n junction.	https://youtu.be/4wKv-DKltB8
7	Study of OP AMP as an inverting amplifier	https://youtu.be/n62S8Ft3PTg
8	Study of OP AMP as noninverting amplifier	https://youtu.be/n62S8Ft3PTg
9	Study of OP AMP as subtractor	https://youtu.be/AW4Kjp-KaLs
10.	Study of OP AMP as adder	https://youtu.be/AW4Kjp-KaLs

PHYSICS SEM-IV

Sr. No.	Name of the experiment	You tube Link
1	To determine the wavelength of monochromatic light by Newton's rings.	https://youtu.be/Zih6083n4x0
2	To determine the wavelength of monochromatic light by plane diffraction grating.	https://youtu.be/p8cyO76gxZI
3	To find the number of lines per centimeter of the given grating.	https://youtu.be/AcF7mD-MnuM
4	To determine the resolving power of plane diffraction grating.	https://youtu.be/0FxfmBLN31s
5	To determine the wavelength of laser light.	https://youtu.be/Nfr9yI4qW7c
6	Determination of refractive index of a prism by spectrometer.	https://youtu.be/JvVOaqej1II
7	To determine the resolving power of prism.	
8	Determination of solar constant	https://youtu.be/Nh2H5JOxmQ


Principal
 Shri Vitthal Rukhmani
 College, Sawana
 Tal. Mangron Dist. Jaisalmer

PHYSICS SEM-V

Sr. No.	Name of Experiment	You Tube Link
1	To study phase shift oscillator.	https://youtu.be/hmSvO5nWIMQ
2	To study Wein bridge oscillator.	https://youtu.be/nPPAisul4EE
3	To study Hartlay oscillator.	https://youtu.be/0hJ2Hpm8oj8
4	To study Colpits oscillator.	https://youtu.be/effCoGiuYT8
5	Study of monostable multivibrator.	https://youtu.be/eWMsUkLQIZc
6	Study of astable multivibrator.	https://youtu.be/imwlUwqFt4
7	To study characteristics of Zener diode.	https://youtu.be/kqUTjs598-0
8	Study of LED characteristics.	https://youtu.be/suLftpChtfc
9	Study of characteristics of Laser.	https://youtu.be/BKVMw4jpDZw

PHYSICS SEM-VI

Sr.No.	Name of Experiment	You tube Link
1	To study hysteresis losses in transformer core and plot B-H curve.	https://youtu.be/x9eoN4sIbvs
2	To study characteristics of Photo diode.	https://youtu.be/y3uFMV-B488
3	To study Zener regulated power supply	https://youtu.be/Da39JHhNWqk
4	Determination of Band gap energy of a pn junction / zener diode	https://youtu.be/7LeH6OSFTJ0
5	To study Characteristics of Photocell	https://youtu.be/6Z-oRvk8bhQ


Principal
Shri Vitthal Rukhmini
College, Sawana
 T-1, Main Road, Dist. Yavatmal

INAUGURATION OF ZOOLOGICAL SOCIETY

2020-21

On dated 30th September 2020 in Department of Zoology Shri Vitthal Rukhmini Mahavidyalaya Sawana had organized inauguration of zoological society 2020-21

The program had been started at 11:00 am. On this occasion Dr. Hemant S. Mahalle Principal Shri Vitthal Rukhmini Mahavidyalaya Sawana was chairperson and Prof. A.K. Wghamare was chief guest, head of the department of zoology Dr. P.W. CHAUDHARI, President of zoological Society teachers, non teaching staff, Research scholars' were present.

The anchoring was done by Ms. Rucha Bhat and Ms. Pragati Jena student of M.sc. part II. The program had been started with lamp lighting ceremony. Then Dr. Surel Zod felicitated by Mr. A. N Khade , Prof. A.K. Wghamare felicitated by Dr. P.W. CHAUDHARI, Dr. P.W. CHAUDHARI felicitated by Ms. Suvarna Rathod , Mr.A.N. Khade felicitated by Mr. Rajratana Kamble, all teachers, all non teaching staff had been welcome. The Dr. Mahalle and Dr. Zod were declared Zoological society 2020-21. Then Ms. Bhavana Tayade From Dept. of Marathi introduced the chief guest of this program Prof. A.K. Wghamare Head Dept of Economics Akola.

The chief guest of the program Prof. A.K. Wghamare had been given informative lecture on the topic "**Importance of wild animals on Human Benefits**". In world how science get advanced and developed for human welfare was discussed by Prof. A.K. Wghamare with students. Prof. S.N. Thakre speaks about Wild animal and Human Conflict. Respected Principal explain is useof wild flora in medical as well as other field and how it improve the old techniques and methods in medical biology. Then Inaugurator of the program Dr. Surel Zod was interacted with the teachers . The last part of the program was vote of thanks had been done by Mr. Anil Khade Incharge of Zoological Society for session 2020-21.

Principal
Shri Vitthal Rukhmini
College, Sawana
Tal. Mahad, Dist. Tavatmal

Shri Vitthal Rukhmini college, Sawana, Tq. Mahagaon, Dist.Yavatmal

Botanical Society 2020-21

Department of Botany has an active Botanical society. The main aim behind forming an botanical society to make students more interactive and vocal by giving responsibility such as organise events like Guest lectures, workshops, institutional and industrial visits, botanical tours, filedwork, college seminars, posters presentation and quiz competition.

BOTANICAL SOCIETY

Society membars



1. Sneha Bovindwad- President
2. Vaishnavi Kakde - Vic-President
3. Pallavi Gautkar - Secretary
4. Ranjit Kadam - Gen.Secretary
5. Suraj Chaware - Joint. Secretary

1. Sneha Jathawa - President
2. Pooja Gore - Vic-President
3. Vidhy Hatele - Secretary
4. Pratham Kuril - Gen.Secretary
5. Vaisnavi Raut - Joint. Secretary
6. Aditya Wadekar - Joint.Secretary

1. Priti Kadam - President
2. Subhangi Deshmukh- Vic-President
3. Pooja Deshmukh- Secretary
4. Danish Khan - Gen Secretary
5. - Joint. Secretary


Principal
Shri Vitthal Rukhmini
College, Sawana
Tq. Mahagaon Dist. Yavatmal



Remaining Meeting Time: 0h:43

2 people entered the waiting room

SVR COLLEGE

List of Activity run by botanical society during academic year 2020-21 (COVID-19 Pandemics)

Sr.No	Activities
1	Online State level " Essay competition" on occasion of world environmental day
2	Guest lecture on Perspectives in biological nitrogen fixation
3	Exhibition of vermicompost facility and sell


Principal
Shri Vitthal Rukhmini
College, Sawangan
Tajikhat, Dist. Jalgaon



राष्ट्रीय सेवा योजना द्वारा आयोजित

विद्यापीठस्तरीय महिला सक्षमीकरण द्विदिवसीय कार्यशाळा



श्री. / कु. पम्पवी संजय कांबळे
महाविद्यालयाचे नांव: श्री. विठ्ठल रुक्मिणी महाविद्यालय, सवना जि. यवतमाळ

आपण दि. ०८ व ०९ मार्च, २०२० या कालावधित के. जी. देशमुख सभागृह, संत गाडगे बाबा अमरावती विद्यापीठ, अमरावती येथे आयोजित विद्यापीठस्तरीय महिला सक्षमीकरण द्विदिवसीय कार्यशाळेत सहभागी झाल्याबद्दल आपणास प्रमाणपत्र प्रदान करण्यात येत आहे.

भविष्यात रा.से.यो.च्या माध्यमातून सामाजिक जाणिवेतून राष्ट्रीय कार्यात सहभाग मिळेल या अपेक्षेसह शुभेच्छा!

14

(डॉ. राजेश बुरंगे)

प्र.संचालक

राष्ट्रीय सेवा योजना,

संत गाडगे बाबा अमरावती विद्यापीठ

(डॉ. मुरलीधर चांदेकर)

कुलगुरु

संत गाडगे बाबा अमरावती विद्यापीठ,

अमरावती



राष्ट्रीय सेवा योजना द्वारा आयोजित

विद्यापीठस्तरीय महिला सक्षमीकरण द्विदिवसीय कार्यशाळा



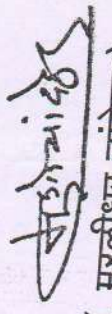
श्री./कु. पौर्णिमा रमेश कांबळे
महाविद्यालयाचे नांव: श्री. विठ्ठल ऋक्मिणी महाविद्यालय, सवना, चवतमाळ

आपण दि. ०८ व ०९ मार्च, २०२० या कालावधित के. जी. देशमुख सभागृह, संत गाडगे बाबा अमरावती विद्यापीठ, अमरावती येथे आयोजित विद्यापीठस्तरीय महिला सक्षमीकरण द्विदिवसीय कार्यशाळेत सहभागी झाल्याबद्दल आपणास प्रमाणपत्र प्रदान करण्यात येत आहे.

भविष्यात रा.से.यो.च्या माध्यमातून सामाजिक जाणिवेतून राष्ट्रीय कार्यात सहभाग मिळेल या अपेक्षेसह शुभेच्छा!


(डॉ. राजेश बुरंगे)

प्र.संचालक
राष्ट्रीय सेवा योजना,
संत गाडगे बाबा अमरावती विद्यापीठ

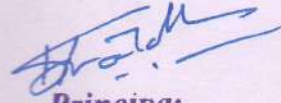


(डॉ. मुरलीधर चांदेकर)
कुलगुरु
संत गाडगे बाबा अमरावती विद्यापीठ,
अमरावती


Principal
Shri. Vitthal Rukhmini
College, Savana,
Chavtamaal
Amravati

Students Participated in Different Competitions

Sr. No.	Name of Student	Competition	College or University
1.	Saraj Rohidas Chaware	Quiz Competition on 'Morphology and Anatomy of Angiosperms'	Bhagwantrao Arts and Science College Etapalli Dist- Gadchiroli
2	Saraj Rohidas Chaware	Online MCQ Test on Environment Awareness	Late. Pushpadevi Arts & Science College Risod, Dist-Washim
3	Saraj Rohidas Chaware	University Level Essay Competition	Lokanayak Bapuji Aney Mahila Mahavidyalaya, Yavatmal.
4.	Shubhangi Yashraj Kharabe	Botanical Rangoli Competition	Rashtrapita Mahatma Gandhi Arts & Science College Nagbhid Dist-Chandrapur
5.	Muskan A. Rauf Sheikh	University Level Seminar Competition	B.B. Arts, N.B. Commerce and B.P. Science College Digras, Dist-Yavatmal
6.	Saraj Rohidas Chaware	National Level "e-Poster Competition"	N.E.S. Science College Nanded



Principal

Shri. Vitthal Rukmini Arts
Comm. & Science College
Sawana Tq. Mahagaon



This is to certify that

Mr/Ms Suraj Rohidas Chaware of S.V.R. Mahavidyalay,

Savna has actively participated in University level intercollegiate essay writing competition conducted by **Department of Commerce & National Service Scheme of Lokanayak Bapuji Aney Mahila Mahavidyalay, Yavatmal** on the Topic "**Role of NSS Volunteer in Prevention of COVID-19**" has scored --- rank.

Dr. Durgesh Kunte
Principal

Dr. Kavita Tated
NSS Programme Officer

Prof. Saurabh Wagare
Department of Commerce



Jivan Vikas Shikshan Sanstha Risod's
Late Pushpadevi Patil Arts & Science College, Risod, Dist. Washim (M.S.)



INDIA

Affiliated to Sant Gadge Baba Amravati University, Amravati
'NAAC' Accredited with 'B' Grade

**Environmental Awareness Committee and Nature Club has
organized National Level Online MCQ Test
Certificate of achievement**



This Certificate proudly presented to

**Suraj Rohidas Chaware, Shri. Vitthal Rukhmini Arts, Commerce & Science College,
Sawana Tq. Mahagaon Dist. Yavatmal**
In recognition of outstanding performance throughout the period of
"National Online MCQ Test"

Dr. J. Jhade

Dr. J. Jhade
Pal
Chiron

Dr. K.M. Ranjalkar

Dr. K.M. Ranjalkar
HOD Botany &
IQAC Co-ordinator Convener

Dr. A. P. Bhagat

Dr. A. P. Bhagat
EVS Awareness Committee
Convener, Co-ordinator



Bhagwantrao Memorial Shikshan Sanstha, Aheri
BHAGWANTRAO ARTS & SCIENCE COLLEGE ETAPALLI
DIST. GADCHIROLI-442704
Affiliated to Gondwana University, Gadchiroli



Certificate

This is to certified that

Suraj Rohidas Chaware

Shri. Vitthal Rukhmini Arts, Commerce & Science College, Sawana Tq. Mahagaon
Dist. Yavatmal

Has completed Quiz on "Morphology & Anatomy of Angiosperms" organised by
Department of Botany, Bhagwantrao Arts & Science College, Etapalli Di. Gadchiroli.
Your participation is immensely Appreciation.

Certificate ID- IASWPQ-CE000069

R/HABALE
Coordinator

S. B. WADASKAR
Sub- Co-ordinator

DR. S.P. PATIL
Head of Dept.

DR. S. N. BUTE
Principal



**Digras Vibhagiya Shikshan Prasarak Mandal's
B.B. Arts, N.B. Commerce And B.P. Science College
Digras, Dist. Yavatmal, Maharashtra, India - 445203**

Re-accredited 'B' Grade By NAAC

Affiliated to Sant Gadge Baba Amravati University, Amravati,
Maharashtra, India

INTERCOLLEGIATE/ UNIVERSITY LEVEL SEMINAR COMPETITION 2020-21

Organized by
Department of Botany
Date: 23/12/2020 on Zoom



- **Ist Prize: Muskan Abdul Sheikh** (Shri Vitthal Rukhmini College Sawana- 501/- & *Trees of Vidarbha* book by Dr. M. M. Dhore Sir
- **II nd Prize: Rutuja Avinash Nihatkar**(Rajarshee Shahu Science College Chandur rly) : 401/-
- **IIIrd Prize: *Chanchal Gajanan Jangamwar** (BB Arts, NB Commerce and BP Science College Digras): 301/-
***Shivani Radheshyam Jayswal** (Vinayak Vidnyan Mahavidyalaya Nandgao Khandeshwar : 301/-
- **Consolidation Prize: Anushri Ramdas Jalamkar**(Arts, Commerce & Science College Warwat Bakal) : 201/-

Thank You



Suraj
today at 13:47



UGC-CPE Sponsored

**Online National Level "e-Poster Competition" on
"Problems, Remedies and Challenges of Covid-19.**

Organized by
**Science Association & Department of Fishery Science
N.E.S. SCIENCE COLLEGE, NANDED**

CERTIFICATE

This is to certify that Mr./Miss. Suraj Chaware, Maharashtra
has actively participated in online National Level
"e-Poster Competition" on "Problems, Remedies and Challenges of Covid-19
held on 6-May to 16-May-2020.


Dr. K.S. Shillewar
Convener


Dr. D.U. Gawai
Chief Organizer & Principal

Organizing Members
Dr. V.R. Marathe Dr. R.V. Sangvikar
Dr. K.R. Gaikwad Dr. D.V. Totawar





Suraj
today at 12:05



Climate Changes & Biodiversity

WHAT IS CLIMATE CHANGE?

Any Changes In Climate Over Time Due To Natural Factors, Human Activity, Or Both.

PHENOLOGICAL MISMATCHES Happen When The Life Cycle Of Depends Species Changes & No Longer Match Up.

Eg., Migratory Species Arrives At A Site After Their Prey Has Passed

HABITAT DESTRUCTION In Prairie Ecosystems, More Draught Will Likely Harm The Growth Of Natural Grassland

Extreme Storms & Rising Sea Levels Can Cause Coastal Squeeze.

Climate Change Cause Harmful Algae Growth In Marines Ecosystems, Which One Are Also At Risk Pollution, Commercial Fishing & Wetlands Drainage.



The Early Arrival Of Spring Changes The Life Cycle Of Many Plants That Provide Foods & Habitat For Other Species.



Many Species Won't Able To Adapt Quickly Enough Changes In Their Environment.



WHAT IS BIO DIVERSITY?

Bio Diversity Is About Living Things & There Relationship With Each Other This Include Species, ecosystems & There Ecological Process Of Which They Are A Part.

HABITAT FRAGMENTATION Happens When The Natural Landscapes Are Broken Up By Development Such As River Dams & Highways, Which Can Interrupt Migration Route's.



Climate Change Can Cause **HABITAT CONSTRUCTION** When Already Limited Habitats Change & Shrink Further.

Climate Change Can Lead The Competition For Resources Among Species, As Well As Bigger & More Frequent Infestation Out Breaks.

PRESERVATION THROUGH ADAPTION

Protect : Nature Reserve & Marine Sanctuaries.
Connect : Wildlife Crossing, Bridges & Corridors.
Restore : Selective Fishing Animal Breeding Program