



Rayat Shikshan Sanstha's

**Abasaheb Marathe Arts and New Commerce, Science College, Rajapur
Dist- Ratnagiri, 416702 (MH)**

Affiliated to University of Mumbai, Mumbai

(Reaccredited with 'B' grade by NAAC/Best College Award by University of Mumbai)

7.2.1 Describe at least two institutional best practices (as per NAAC format given in next page)

Best Practice-I

1. Title of the practice: Biodiversity and its conservation

2. Goal of the Practice:

- To preserve the diversity of species.
- Sustainable utilization of species and ecosystem.
- To maintain life-supporting systems and essential ecological processes.
- To promote plantation of native, ecologically significant plant species.
- To create awareness among the stakeholders to understand biodiversity and its conservation
- To develop skill among the students to prepare seedling, green manure and to identify the plant species.

3. The Context:

The main aim of this activity to conserve biological diversity. The purpose of this practice is the protection and sustainable use of biodiversity of local significance in ecosystems in developing nations. The activity focuses on lessons for science, for public policy and management, for increasing the participation of local students in conservation, decision-making, and for increasing partnerships and capacity building.

The institute professor and researcher Dr. A. N. Chandore and his research team explores new species *Dipcadi janae-shrirangii* is described and illustrated as a new species from the lateritic plateaus of Konkan region of Maharashtra, India. The new species is allied to the *D. concanense* (Dalzell) Baker, but differ in its small flowers and perianth tube as

long as the lobes. Coloured photographs, illustrations of new species and key to the Indian species of *Dipcadi* having shiny white flowers and brownish black seeds



Dipcadi janae-shrirangii

Our institute professor and researcher Dr. A. N. Chandore and his team also discovered another new species *Shrirangia*, a new monotypic genus of the family *Apiaceae* from low elevated lateritic plateaus of south Konkan region of Maharashtra, India is described and illustrated with a new species, *Shrirangia concanensis*. The new genus is related to Himalayan genus *Chamaesium* H.Wolff by the characters of: many (ca 10) ribbed fruit, primary and secondary types of ribs present but very distinct from it by having tuberous habit, ternate to bi-ternate leaves, commissure plain undulate with 6–7 secondary ribs and vallecular and second types of vittae at dorsal face.



Shrirangia, a new monotypic genus of the family *Apiaceae*

4. The Practice:

Realistic, careful planning in determining the level of effort is absolutely key to biodiversity and conservation. The scope of work and requisite level of effort are determined by the availability of information, nature and extent of ecosystems and threats, and complexity of the Mission's strategic plan.

- For biodiversity conservation department conducts regular short term course every year the aims and objective of this course are as follows
 1. To aware students about biodiversity conservation concept
 2. To train students in this field
 3. To increase the public awareness
 4. To utilize the natural resources in a sustainable way
 5. To preserve the varieties of old and new flora, fauna and microbes
 6. To protect natural habitat
 7. To provide vast knowledge of potential use to scitific community.
 8. The genetic diversity of plants is preserved etc.

This course also provides practical skill to students regarding collection, germination and plantation of endemic plants of Western Ghats in Maharashtra, India. To study the plant

diversity using diversity indices. Identification and study of biodiversity rich areas of Ratnagiri and sindudurg, Maharashtra, india. In this 2021-2022 year department take initiative to cultivation of endemic plants in pots

- Cultivation of endemic and cultivated plants in pots

Department of Botany aims to nurture cultivated, ornamental, domestic, shade loving and endemic plants in the pots at college campus. Sum totals of 100 pots were brought in a passage near administrative office. A variety of cultivated, ornamental, domestic, shade loving and endemic plants were potted in the pots with the help of students and non-teaching staff of college. The purpose of this activity is to develop enthusiasm and scientific knowledge among students about plants from vicinity.

Benefits to the Society: This work will be helpful to save this endangered species of our country.

5. Evidence of Success:

Students get benefited from short term course also gain knowledge about biodiversity conservation. Students get awareness about plant protection and their conservation.

6. Problems Encountered and Resources Required:

Recent, current, and potential primary threats to biodiversity conservation whether they are ecological (i.e., fire, pests especially termites), related to human use (i.e., agriculture, contamination), or institutional (i.e., failed policy, economic) or transboundary issues as appropriate. These should emerge from a general assessment of conservation policies and strategies and their effectiveness, and issues related to institutional capacity, trade, resources available, and the role of students.

Notes (Optional):

Contact Details:

Name of the Principal: Dr. G. D. Harale
Name of the Institution: Rayat Shikshan Sanstha's
Abasaheb Marathe Arts & New Commerce,
Science College, Rajapur (V. G.). Dist.-Ratnagiri.
Pin Code: 416702
Office Contact: (02353) 221002/3
Website: www.marathecollegerajapur.com
E-mail: abasahebmarathecollege@gmail.com
Mobile: +91 9869396929



Harale
J/c Principal
A.M.A & N.C.S. College
Rajapur, Dist. Ratnagiri.



Rayat Shikshan Sanstha's
**Abasaheb Marathe Arts and New Commerce, Science College,
Rajapur, Dist-Ratnagiri**

Biodiversity Conservation
***Aponogeton nateshii* S.R.Yadav**

Faculty and Students of Botany Department visited and thoroughly studied the *Aponogeton nateshii* S.R.Yadav from lake located at Hurse (Jaitapur) (16.584837742884563, 73.40447903931454). The density of individuals was about 3000 plants per sqm. The elegant species was collected from the location and then transferred to nearby lakes of similar habitat.

The species is very unique but unable to grow in the variable conditions and found in only lake.



Natural Habitat of *Aponogeton nateshii* S.R.Yadav



Collection of mature inflorescence of *Aponogeton nateshii* S.R.Yadav



Collection of mature inflorescence of *Aponogeton nateshii* S.R.Yadav



Mature inflorescence of *Aponogeton nateshii* S.R.Yadav



New Plantlets from Nuts of *Aponogeton nateshii* S.R.Yadav



New Plantlets from Nuts of *Aponogeton nateshii* S.R.Yadav



[Signature]
J/c Principal
A.M.A. & N.C.S. College
Rajapur, Dist. Ratnagiri.



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ALUMNI ASSOCIATION
(2022-2023)
ONE DAY WORKSHOP ON
BIODIVERSITY CONSERVATION
REPORT

Date: 04th -March-2023

One day workshop on Bio-Diversity Conservation on Friday, 3rd -March-2023 at 10:00 am was organized by Alumni Association of the college. The main purpose of this workshop is to make students awareness about Bio-Diversity and its Conservation in the Konkan Region and Western Ghat, Also this workshop is about to make awareness of Conservation of endangered species in Konkan Region. Due to this workshop Alumni Association successfully achieved purpose of saving environment.

The speaker of this workshop was the Habiba A. Majid Sayekar Assistant Professor at Arts, Commerce and Science College, Lanja Tal: Lanja, Dist: Ratnagiri. She got an award of Excellence and Suffah Pride Teacher Award from Mitibai College. She delivered lecture on Bio Diversity in Konkan Region and Western Ghat and their Conservation.

Principal of the college Dr. G. D. Harale was the Chief Guest of this workshop and delivered a concluding speech for this workshop.

Dr. A. V. Bhawe , Head of Commerce department was present for the this workshop.

This workshop was organized by Chairman Mr. Karade G. R. of Alumni Association Committee, team members of the committee collaboration with Department of Botany and IQAC of the College.

Mr. G. B. Pawar the head of Botany department has given a Vote of thanks at the end of this workshop.

Chairman
Alumni Association Committee





रयत शिक्षण संस्थेचे,
आबासाहेब मराठे आर्ट्स अँड न्यू कॉमर्स, सायन्स कॉलेज राजापूर,
ता. राजापूर, जि. रत्नागिरी.

IQAC आणि माजी विद्यार्थी संघ आबासाहेब मराठे कॉलेज (विखारे-गोठणे),
ता. राजापूर, जि. रत्नागिरी.

एकदिवशीय कार्यशाळा
जैवविविधता संवर्धन

शुक्रवार दि. ०३-मार्च- २०२३

वेळ : सकाळी १०.०० वा.

कार्यक्रम पत्रिका

१. दीप प्रज्वलन व कर्मवीर
प्रतिमा पूजन :- मान्यवरांच्या शुभ हस्ते
२. कार्यक्रमाचे प्रास्ताविक
व परिचय :- प्रा. करडे जी. आर.
(गणित विभाग प्रमुख व माजी विद्यार्थी संघ समिती प्रमुख)
३. मान्यवरांचे स्वागत :-मा. प्र. प्राचार्य डॉ. हराळे जी. डी.
(प्र.प्राचार्य, आबासाहेब मराठे आर्ट्स अँड न्यू कॉमर्स, सायन्स कॉलेज राजापूर)
४. प्रमुख व्याख्याते :-मा. प्रा. हबीबा अ. मजीद सायेकर
(कला, वाणिज्य व विज्ञान महाविद्यालय लांजा, ता. लांजा, जि. रत्नागिरी)
५. आभार :-प्रा. न्हावेलकर एस. टी.
६. सूत्रसंचालन :-प्रा. शेवडे ए. के.



रयत शिक्षण संस्थेचे,
आबासाहेब मराठे आर्ट्स अँड न्यू कॉमर्स सायन्स कॉलेज, राजापूर



IQAC, माजी विद्यार्थी समिती आणि वनस्पतीशास्त्र विभागा
यांच्या संयुक्त विद्यमाने
एकदिवशीय कार्यशाळा

जैवविविधता संवर्धन

दिनांक : ०३-मार्च -२०२३ वार: शुक्रवार वेळ : सकाळी १०:०० वा.

अध्यक्ष: प्र. प्राचार्य जी. डी. हराळे

प्रमुख व्याख्याते :- प्रा. हबीबा अ. मजीद सायेकर

(कला, वाणिज्य आणि विज्ञान महाविद्यालय लांजा, ता. लांजा, जि. रत्नागिरी.)



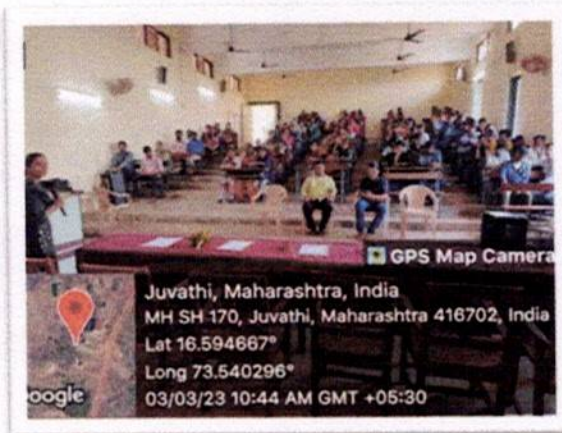
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**ALUMNI ASSOCIATION
(2022-2023)
ONE DAY WORKSHOP ON
BIODIVERSITY CONSERVATION
PHOTO**

Date: 04th -March-2023



@Karadh

Chairman

Alumni Association Committee



Jeevy

Principal

A.M.A. & N. C. S. College
Rajapur, Dist. Ratnagiri.



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Alumni Association
One Day Workshop
Bio-Diversity Conservation
Lecture Presenty

Name of Guest : Prof. Habiba A. Majid Sayekar

Date: 03-March-2023

Sr. No.	Name	Sign
1	Sana Mubarak Sangkar	
2	Ninay Vinod Sankpal	
3	Sandesh Tukaram Sawant	
4	Isha Anil Shelar	
5	Hazhada maanai shirakar	
6	Rutika Satish Shirwadkar	
7	Tanmay Nandkumar shivalkar	
8	Suraj Sukas Shringare	
9	Solkar Farhat Zainuddin	
10	Solkar Shadab Jabbar	
11	Surve Tashan Shrikant	
12	Tambe Omkar Ravindra	
13	Tambe Dakshini Ramakant	

14	Tambe Sankeet Shaorad	Sankeet
15	Thukurul. Bhakti Suresh	Bhakti
16	thukurul vedant suresh	thukurul
17	Arpita Arvind Tivramkar.	A.A. Tivramkar
18	Dakshata Prabhakar Tukarul.	D.P. Tukarul.
19	Siddhesh Shashikant Tukarul	Suresh
20	Saiyaj Nandakumar Wadekar	S.N. Wadekar.
21	Rashan Ramchandra walm	Rashan
22	Rashani Ravin walm	Rashan
23	Pranay madhukar Warehji.	Warehji.
24	RUPALI Yashvant Boraskar.	R.Y. Boraskar.
25	Pranod Avinash Gurew	Pranod
26	Ahife siraj Naik	Ahife
27	lahu Balu Yedge	lahu
28	vivek vikas Joshi	vivek
29	Kiran Sunil Kajave	Kiran
30	Sail Sandip Kaambali	Sail
31	Safa Sameer Naik	Safa
32	Hitenra tanaji sakpal	H.T. Sakpal
33	Rohit Rajendra Rokade	Rohit
34	Sayali Hemant Raykar	Sayali
35	Ceauri Hemant Raykar	CEB

36	Prajakta Ravindra Raut	<u>PRRaut</u>
37	Prachi Manohar Raghav.	<u>Praghav.</u>
38	Nandini Prakash Pujari	<u>NPujari.</u>
39	Vipul Vilas Pitulkar	<u>Vipulkar</u>
40	Karina Pradip Penkar	<u>Penkar</u>
41	Tanaya Vinod Pednekar	<u>VPednekar</u>
42	Divya Keshav Palasamkar	<u>Palasamkar.</u>
43	Sneha Ankush Nimaje	<u>Nimaje</u>
44	Sonali Poojai Nawale	<u>Nawale</u>
45	Artikha Gaffar Munshi	<u>Munshi</u>
46	Unaira Ashrafali Munghi	<u>Munghi</u>
47	Aqsa Samir Mulla	<u>Mulla</u>
48	Tejal Santosh Mulam	<u>Mulam</u>
49	Sanbet Gangaram Monde	<u>Monde</u>
50	Sakshat Chandrakant Monde	<u>Monde</u>
51	Kunal Pradip Monde	<u>Monde</u>
52	Kiran Ravikant Monde	<u>Monde</u>
53	Tejal Parnesh Pingule	<u>Pingule</u>
54	Siddha Narayan Murgule	<u>Murgule</u>
55	Virendra Subhash Mestri	<u>Mestri</u>

Principal
A.M.A.N.S.S. College
Rajapur, Dist. Kamargiri.



Rayat Shikshan Sanstha's,
Arts, Science & Commerce College Mokhada, Dist. Palghar- 401 604 (Maharashtra)
and

Abasaheb Marathe Arts & New Commerce, Science College Rajapur, Dist. Ratnagiri-416702
(Maharashtra)

Two Days National Workshop on
"Floristic Diversity of Western Ghats, Konkan and Plateaus"
(Date: 20th & 21st March 2023)

Report of Workshop

Rayat Shikshan Sanstha's, Arts, Science & Commerce College Mokhada and Abasaheb Marathe Arts & New Commerce, Science College Rajapur is jointly organized Two Days National Workshop entitled "Floristic Diversity of Western Ghats, Konkan and Plateaus" on 20th & 21st March, 2023. This workshop is conducted from Project entitled "Floristic studies on ephemeral and herbaceous plants of lateritic plateaus of Ratnagiri District (Maharashtra)" file No. CRG/2019/003087" under, Scientific Social Responsibility (SSR) of Science and Engineering Research Board- Department of Science and Technology (SERB-DST), Government of India, New Delhi, by funded Project to Dr. A. N. Chandore (Department of Botany).

On first day of workshop, Dr. A. N. Chandore, Organizing Secretary of workshop (PI of Project) introduced the resource persons as well as the theme of workshop and Prin. Dr. L. D. Bhor, delivered presidential speech in the workshop. Dr. K. V. C. Gosavi from HPT & RYK College, Nashik, Dr. S. S. Kambale, from M.V.P. Samaj's Arts, Commerce and Science College, Tryambakeshwar and Dr. A. R. Gholave from K.V. N. Naik College, Nashik are the resource persons for first day (20th March 2023) and delivered talks related to Floristic Diversity, Endemism and Revisionary Work. Mr. G. B. Pawar, Dr. B. A. Sonar, and Dr. S. K. Kamble from AMC College Rajapur, chaired the sessions and expressed the vote of thanks of respective sessions.

SERB Workshop File No. CRG/2019/003087

1

Dr. A. N. Chandore
Principal Investigator

On second day of workshop Dr. A. N. Chandore introduced the resource persons and Prin. Dr. G. D. Harale, delivered presidential speech in the workshop. Dr. N. V. Malpure from S.S.G.M. College, Kopargaon, Dr. Rutuja Kolte from Govindram Seksaria Science College, Belagavi and Mr. N. A. Madhav from Arts, Commerce and Science College, Shreewardhan are the resource persons for second day (21st March 2023) and delivered talks related to Konkan Plateaus Diversity and Revisionary Work. Mr. S. Y. Tayade, Mr. D. B. Borude and Mr. P. P. Bhalekar from ASC College Mokhada, chaired the sessions and expressed the vote of thanks of respective sessions. Total 27 teacher participants were attended this workshop.



Dr. A. N. Chandore
PI of Project and
Organizing Secretary of Workshop

Dr. A. N. Chandore
Principal Investigator
Project entitled: "Floristic studies on
and herbaceous plants of lateritic plateaus
of Ratnagiri District (Maharashtra)"

Two Days National Workshop on Floristic Diversity of Western Ghats, Konkan and Plateaus
(20th and 21st March, 2023)



Rayat Shikshan Sanstha's,
Arts, Science & Commerce College Mokhada, Dist. Palghar- 401 604 (Maharashtra)
and

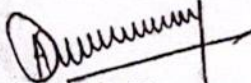
Rayat Shikshan Sanstha's,
Abasaheb Marathe Arts & New Commerce, Science College Rajapur, Dist. Ratnagiri-416702
(Maharashtra)

Two Days National Workshop on
"Floristic Diversity of Western Ghats, Konkan and Plateaus"

*** Programme Schedule ***

(Day 1st: Monday, 20th March 2023)

Session	Time	Resource Person /	Chair Person
Introduction of Programme	11:00 am to 11:10 am	Dr. A. N. Chandore PI & Organizing Secretary; ASC College, Mokhada	--
Presidential speech	11:10 am to 11:15 am	Dr. L. D. Bhor Principal, ASC College, Mokhada	--
Invited Talk-I	11:15 am to 12:45 pm	Dr. K. V. C. Gosavi HPT & RYK College, Nashik	Mr. G. B. Pawar AMC College Rajapur
Invited Talk-II	12:45 pm to 02:30 pm	Dr. S. S. Kambale ACS College, Tryambakeshwar	Dr. B. A. Sonar AMC College Rajapur
Invited Talk-III	02:30 pm to 04:00 pm	Dr. A. R. Gholave K.V. N. Naik College, Nashik	Dr. S. K. Kamble AMC College Rajapur


Dr. A. N. Chandore
Principal Investigator

*Two Days National Workshop on Floristic Diversity of Western Ghats, Konkan and Plateaus
(20th and 21st March, 2023)*



Rayat Shikshan Sanstha's,
Arts, Science & Commerce College Mokhada, Dist. Palghar- 401 604 (Maharashtra)
and


Rayat Shikshan Sanstha's,
Abasaheb Marathe Arts & New Commerce, Science College Rajapur, Dist. Ratnagiri-416702
(Maharashtra)

**Two Days National Workshop on
"Floristic Diversity of Western Ghats, Konkan and Plateaus"**

***** Programme Schedule *****

(Day 2nd: Tuesday, 21st March 2023)

Session	Time	Resource Person /	Chair Person
Inaugural Speech	10:00 am to 10:10 am	Dr. A. N. Chandore PI & Organizing Secretary; ASC College, Mokhada	--
Presidential Speech	10:10 am to 10:15 am	Dr. G. D. Harale Principal, Abasaheb Marathe College, Rajapur	--
Invited Talk-I	10:15 am to 11:30 am	Dr. N. V. Malpure S.S.G.M. College, Kopargaon	Mr. S. Y. Tayade ASC College Mokhada
Invited Talk-II	11:30 am to 12:30 pm	Dr. Rutuja Kolte Govindram Seksaria Science College, Belagavi	Mr. D. B. Borude ASC College Mokhada
Invited Talk-III	12:30 pm to 01:30 pm	Mr. N. A. Madhav ACS College, Shreewardhan	Mr. P. P. Bhalekar ASC College Mokhada


Dr. A. N. Chandore
Principal Investigator



Science and Engineering Research Board (SERB)
Department of Science and Technology (DST)
Govt. of India



"Education through self-help is our motto."
Founder: Karmaveer
Bhaurao Patil



Two Days National Workshop on Floristic Diversity of Western Ghats, Konkan and Plateaus

(20th and 21st March, 2023 at 11:00 am onwards)

Jointly organized by

Rayat Shikshan Sanstha's,
**Abasaheb Marathe Arts & New Commerce,
Science College Rajapur, Dist. Ratnagiri-
416702 (Maharashtra) India**
(Affiliated To University of Mumbai, Mumbai)

Rayat Shikshan Sanstha's,
**Arts, Science & Commerce College
Mokhada, Dist. Palghar- 401 604
(Maharashtra) India**
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Conducted under: Scientific Social Responsibility (SSR) of Science and Engineering Research Board-Department of Science and Technology (SERB-DST), Government of India, New Delhi, by funded Project File No. CRG/2019/003087)

Registration fees: Free
Targeted group: Teachers from Botany/
Biodiversity/ Life Science
Number of participants: 25

Email ID: arunchandore1@gmail.com
Meeting link: will be shared on WhatsApp groups
Registration link: <https://forms.gle/q3RK1NbxkijA3k4A>

-- Organizing Committee --

Contact Details
Dr. A. N. Chandore (PI): 9423021796
Mr. D. B. Borude (PA-I): 9503977158
Mr. P. P. Bhalekar (PA-I): 9284027972



Dr. A. N. Chandore
Principal Investigator



Dr. G. D. Harale
Principal, AMC College Rajapur



Dr. L. D. Bhor
Principal, ASC College Mokhada



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SHORT TERM COURSE: BIODIVERSITY CONSERVATION


ANNUAL REPORT

2022-23

Abasaheb Marathe Arts and New Commerce, Science College, Rajapur had run Short Term Course on "Biodiversity Conservation" in the months of January to March, in the academic year 2022-23. 19 students from B.Sc. completed the course successfully.

The teaching methodology behind the conservation of biodiversity was created by faculty of department of Botany. Through the experiential learning approach, the students to develop hands-on skills in conservation of biodiversity. It enabled students to understand how the biodiversity is conserved.

Dr. B. A. Sonar, conducted the course as course coordinator and all faculty members of Botany department guided the students during the course in our college. Overall, the course was an eye opener for the students and with an extremely enjoyable experience.

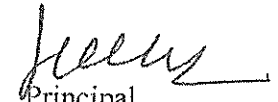

Dr. B. A. Sonar
Course Coordinator




Head
HEAD

Department of Botany

A.M.A.&N.C.S. College Rajapur



Principal
Principal

A.M.A.&N.C.S. College

Rajapur, (V. Gothrie) Dist. Ratnagiri.



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SHORT TERM COURSE: BIODIVERSITY CONSERVATION

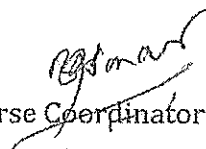
Board of Studies, 2022-23


Sr. No.	Name of the Person	Designation
1.	Dr. G. D. Harale (I/C Principal)	Chairman
2.	Dr. S. R. Mesrty (Vice Principal Arts Faculty)	Chairman, Short Term Course
3.	Dr. B. A. Sonar	Course Coordinator
4.	Mr. G. B. Pawar (Head, Department of Botany)	Member
5.	Dr. S. K. Kamble	Member

Minutes of Meeting

The meeting of Board of studies for Short Term Course in Biodiversity Conservation was held on 6th December 2023 in the Department of Botany and for the same following members were present and following points were discussed.

1. Enrollment of the students
2. Course implementation
3. Distribution and completion of syllabus
4. Fee Structure


Course Coordinator


HEAD
Department of Botany
A.M.A.&N.C.S. College, Rajapur


Chairman,

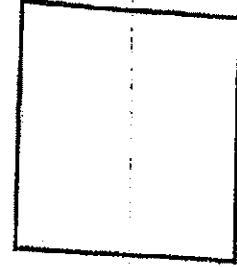

IQAC Coordinator


Principal
A.M.A.&N.C.S. College
Rajapur, (V. Gothne) Dist. Ratnagiri

Rayat Shikshan Sanstha's
Abasaheb Marathe Arts and New Commerce, Science College
Rajapur - 416702. Dis : Ratnagiri

Short-Term Course Admission Form

20 - 20



To,
The Principal,
Abasaheb Marathe Arts and New Commerce, Science
College, Rajapur, Dist : Ratnagiri.

1. Name of the Candidate
(Start with Surname) : _____
2. Name of the Course : _____
3. Educational Qualification : _____
4. Permanent Address : _____
: _____
: _____
5. Contact No : _____
6. Date of Birth : _____
7. Sex : _____
8. Category : Open/ SC/ ST/ NT/ OBC/ SBC/ Other : _____
9. Admission Session
(With Date) : First Half / Second Half Date : _____
10. Medium : Marathi / English

Date : _____

Place : _____

Signature of the Candidate

For Office Use Only

I certify that the admission of Mr./ Miss. _____ for above
maintained course has been confirmed / not confirmed.



Rayat Shikshan Sanstha's
Abasaheb Marathe Arts and New Commerce, Science College, Rajapur, Dist-
Ratnagiri, 416 702 (MH)

Affiliated to University of Mumbai, Mumbai

Reaccredited with B⁺ grade by NAAC/ Best College Award by University of Mumbai, Mumbai

Department of Botany
Short Term Course
Biodiversity Conservation
List of Admitted students
2022-23

Sr. No.	Roll No.	Name of the Student	Signature
1	2022FS01	Amberkar Suraj Vijay	
2	2022FS02	Bahire Manasi Satish	
3	2022FS03	Balbale Tabinda Fatima M. Naushad	
4	2022FS04	Bawale pratiksha Rajendra	
5	2022FS06	Borkar Mahvish Tabish	
6	2022FS07	Chavan Sanket Subhash	
7	2022FS08	Cheulkar Subodh Suresh	
8	2022FS09	Joshi Sanjana Suresh	
9	2022FS10	Kabiraj Riya Sarjit	
10	2022FS14	Mandavkar Saurvi Sitaram	
11	2022FS17	Patel Manasi Nilesh	
12	2022FS18	Pujari Nandini Rajan Revati	
13	2022FS20	Shinde Shrutika Ravindra	
14	2022FS21	Shirke Pranay Prakash	
15	2022FS22	Shirsekhar Siddhesh Santosh Pradnya	
16	2022FS23	Sogam Pranay Dipak	
17	2022FS24	Solkar Farhat Farooque	
18	2022FS25	Solkar Khadija Mainuddin	
19	2022FS26	Takale Shubhangi Vasant Sharada	

Coordinator

Head

Department of Botany

Rayat Shikshan Sanstha's
**ABASAHEB MARATHE ARTS AND NEW COMMERCE, SCIENCE COLLEGE
RAJAPUR**

Department of Botany

Short Term Course: Biodiversity Conservation

AIMS & OBJECTIVES

- Conservation of biological diversity leads to conservation of essential ecological diversity to preserve the continuity of food chain.
- The genetic diversity of plants and animals are preserved.
- It ensures the sustainable utilization of life support system on earth.
- It provides a vast knowledge of potential use to the scientific community.
- A reservoir of wild animals and plants is preserved, thus enabling them to be introduced, if need be, in the surrounding areas.
- Biological diversity provides immediate benefits to the society such as recreation and tourism.
- Biodiversity conservation serves as an insurance policy for the future.
- To protect natural habitat.
- To preserve all varieties of old and new flora, fauna and microbes.
- To protect all critically endangered, endangered and rare species.
- To reduce pollution.
- To maintain ecological balance.
- To utilize the natural resources in a sustainable way.
- To increase public awareness.

Short Term Course in Botany: Biodiversity Conservation

Duration of Course 3 Months

Total lectures (20)

THEORY SYLLABUS

Unit 1. Plant Biodiversity:

(08)

- 1.1 Definition.
- 1.2 Diversity of flora found in various forest types of India.
- 1.3 Importance and status of plant diversity.
- 1.4 Causes of loss of plant diversity.
- 1.5 Conservation of plant diversity.
- 1.6 Study of plant diversity indices.

Unit 2. Animal Biodiversity:

(08)

- 2.1 Definition.
- 2.2 Diversity of fauna found in various areas of India.
- 2.3 Importance and status of animal diversity.
- 2.4 Causes of loss of animal diversity.
- 2.5 Conservation of animal diversity.

Unit 3. Biodiversity Act of India

(02)

PRACTICAL SYLLABUS

1. Study of endemic plant species from India with special reference to Ratnagiri & Sindhudurg Districts (Western Ghats).
2. Collection, germination and plantation of endemic plants of Western Ghats.
3. Biodiversity conservation awareness program.
4. Study of endemic animal species of Western Ghats.
5. Study of plant diversity using diversity indices.
6. Study of animal diversity using diversity indices.
7. Identification and study of biodiversity rich areas of Ratnagiri & Sindhudurg Districts.
8. Comparison of biodiversity using Sorenson Index.

References

- Groom, M. J., Meffe, G. R. and C. R. Carroll. 2006. Principles of Conservation Biology. Sinauer Associates, Inc., USA.
2. Krishnamurthy, K. V. 2003. Textbook of Biodiversity. Science Publication.
 3. Primack, R. 2006. Essentials of Conservation Biology, Sinauer Associates, Inc., USA.
 4. Hambler, C. 2004. Conservation. Cambridge University Press.
 5. Van Dyke, F. 2008. Conservation Biology Foundations, Concepts, Applications 2nd Edition, Springer.
 6. Chopra RN, Nayer SL, Chopra IC (1956) Glossary of Indian Medicinal Plants. Council of Scientific and Industrial Research, New Delhi, pp 43
 7. Takhtajan A (1969) Flowering plants: origin and dispersal Edinburgh: Oliver & Boyd





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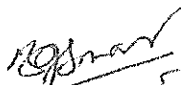
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Department of Botany
Short Term Course
Biodiversity Conservation

Time Table

2022-23

Month	Week	Time		
		Theory (Wednesday)		Practical (Saturday)
		8.30 am to 9.20 am	2.30 to 3.20 pm	12.10 to 2.40 pm
January	I	SKK	BAS	GBP
	II	GBP	SKK	BAS
	III	BAS	GBP	SKK
	IV	GBP	SKK	BAS
February	I	BAS	GBP	SKK
	II	SKK	BAS	GBP
	III	GBP	SKK	BAS
	IV	BAS	GBP	SKK
March	I	GBP	SKK	BAS
	II	BAS	GBP	SKK
	III	SKK	BAS	GBP
	IV	GBP	SKK	BAS


Coordinator


Head

Department of Botany



Rayat Shikshan Sanstha's

Abasaheb Marathe Arts and New Commerce, Science College, Rajapur, Dist-
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Department of Botany

Short Term Course

Biodiversity Conservation

Theory Attendance

2022-23

Sr. No.	Roll No.	Name of the Student	4/1/22	11/1/22	18/1/22	25/1/22	1/2/22	8/2/22	15/2/22	22/2/22	1/3/22	8/3/22	15/3/22	22/3/22
1	2022FS01	Amberkar Suraj Vijay	P	P	P	P	P	P	P	P	P	P	P	P
2	2022FS02	Bahire Manasi Satish	P	P	P	P	P	P	P	P	P	P	P	P
3	2022FS03	Balbale TabindaFatima M.Naushad	P	P	P	P	P	P	P	P	P	P	P	P
4	2022FS04	Bawale pratiksha Rajendra	P	P	P	P	P	P	P	P	P	P	P	P
5	2022FS06	Borkar Mahvish Tabish	P	P	P	P	P	P	P	P	P	P	P	P
6	2022FS07	Chavan Sanket Subhash	P	A	A	A	A	P	A	A	P	P	P	P
7	2022FS08	Cheulkar Subodh Suresh	P	A	A	P	A	P	P	A	A	P	P	P
8	2022FS09	Joshi Sanjana Suresh	P	P	A	P	A	P	P	P	A	P	P	P
9	2022FS10	Kabira Riya Sarjit	P	P	A	P	P	P	P	P	P	P	P	P
10	2022FS14	Mandavkar Saurvi Sitaram	P	P	P	A	A	P	P	P	P	P	P	P
11	2022FS17	Patel Manasi Nilesh	P	P	P	P	P	P	P	P	P	P	P	P
12	2022FS18	Pujari Nandini Rajan Revati	P	P	P	P	P	P	P	P	P	P	P	P
13	2022FS20	Shinde Shrutika Ravindra	P	P	P	P	P	A	A	P	A	P	P	A
14	2022FS21	Shirke Pranay Prakash	P	A	P	A	P	A	P	A	P	P	P	P
15	2022FS22	Shirsekar Siddhesh Santosh Pradnya	P	P	A	P	P	P	A	P	P	P	P	P
16	2022FS23	Sogam Pranay Dipak	P	P	P	P	P	P	P	P	P	P	P	P
17	2022FS24	Solkar Farhat Farooque	P	A	P	A	P	P	P	P	A	P	P	P
18	2022FS25	Solkar Khadija Mainuddin	P	P	P	P	P	P	P	P	P	P	P	P
19	2022FS26	Takale Shubhangi Vasant Sharada	P	P	P	P	P	P	P	P	P	P	P	P

Head

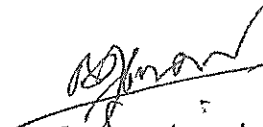
Head
Department of Botany

Rayat Shikshan Sanstha's
**Abasaheb Marathe Arts and New Commerce, Science College, Rajapur, Dist-
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Department of Botany
Short Term Course
Biodiversity Conservation
Practical Attendance

2022-23

Sr. No.	Roll No.	Name of the Student	21/10/22	22/10/22	23/10/22	24/10/22	25/10/22	26/10/22	27/10/22	28/10/22	29/10/22	30/10/22	31/10/22		
1	2022FS01	Amberkar Suraj Vijay	P	P	P	P	P	P	P	P	P	P	P		
2	2022FS02	Bahire Manasi Satish	P	P	P	P	P	P	P	P	P	P	P		
3	2022FS03	Balbale Tabinda Fatima M. Naushad	P	P	P	P	P	P	P	P	P	P	P		
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5	2022FS06	Borkar Mahvish Tabish	P	P	P	P	P	P	P	P	P	P	P		
6	2022FS07	Chavar Sanket Subhash	P	P	P	P	P	P	P	P	P	P	P		
7	2022FS08	Chenulkar Subodh Suresh	P	P	P	P	P	P	P	P	P	P	P		
8	2022FS09	Joshi Sanjana Suresh	P	A	P	P	A	P	P	P	P	P	P		
9	2022FS10	Kabiraj Riya Sarjit	P	P	P	P	P	P	P	P	P	P	P		
10	2022FS14	Mandavkar Saurvi Sitaram	P	P	P	P	P	P	P	P	P	P	P		
11	2022FS17	Patel Manasi Nilesh	P	P	P	P	P	P	P	P	P	P	P		
12	2022FS18	Pujari Nandini Rajan Revati	P	P	P	P	P	P	P	P	P	P	P		
13	2022FS20	Shinde Shrutika Ravindra	P	P	P	A	A	P	P	P	P	P	P		
14	2022FS21	Shirke Pranay Prakash	P	P	P	P	P	P	P	P	P	P	P		
15	2022FS22	Shirsekar Siddhesh Santosh Pradnya	P	P	P	P	P	P	P	P	P	P	P		
16	2022FS23	Sogam Pranay Dipak	P	P	P	A	P	P	A	P	P	P	P		
17	2022FS24	So. kar Farhat Farooque	P	A	P	P	P	A	P	A	A	P	P		
18	2022FS25	Solkar Khadija Mainuddin	P	P	P	P	P	P	P	P	P	P	P		
19	2022FS26	Takale Shubhangi Vasant Sharada	P	P	P	A	A	P	P	P	P	P	P		


Co-ordinator


Head
Department of Botany

Notice

All the students of Short Term Course on "Biodiversity Conservation" are informed that the examination of the course will be held on 15 March 2023. Examination will be conducted in Botany Lab. Examination will be of 50 marks.



HEAD
Department of Botany
A.M.A.S.N.C.S. College Rajapur



Rayat Shikshan Sanstha's
Abasaheb Marathe Arts and New Commerce, Science College, Rajapur,
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SHORT TERM COURSE : BIODIVERSITY CONSERVATION

Question Paper Pattern, 2022-2023

Time: 2 hours

Marks: 50

Que 1: Attempt the following

15 Marks

A
Or
B

Que 2: Attempt the following

15 Marks

A
Or
B

Que 3: Write a note on (Any Two)

10 Marks

A
B
C
D

Que 4: Match the following

05 Marks

Que 5: True or false

05 Marks



RayatShikshanSanstha's
ABASAHEB MARATHE ARTS & NEW COMMECE, SCIENCE COLLEGE, RAJAPUR.
Department of Botany & Zoology
Short Term Course: Biodiversity Conservation (15-16)

Time: 9:30am to 11:30 am

Marks: 50

- Note: 1. All questions are compulsory.
2. Draw figures whenever necessary.
3. Figure to right indicate full marks.

Q.1 Attempt the following 15

a) Define biodiversity and explains types of biodiversity.

OR

b) Give a detailed account on importance of biodiversity.

Q.2 Attempt the following 15

a) Explain in brief various causes of loss of plant biodiversity.

OR

b) What is mean by conservation of biodiversity? Add a note on strategies for conservation of biodiversity

Q.3 write a note on (Any two). 10

a) Advantages of In-situ conservation

b) Hot spots

c) Enlist biogeographical regions of India

d) Ex-situ consevation

Q.4 Match the following 05

1) Hot spots

2) Botanical garden

3) Protected area

4) Sanctuary

5) National park

a) Ex-situ conservation

b) Bandipur, karnataka

c) North east Himalaya

d) Cold desert

e) Nandankannu zoological park

Q.5 True or false 05

- 1) Genetic diversity helps in speciation or specintion or evolution of new species.
- 2) Alpha diversity describes diversity of habitat over a total landsnpe or geographical area.
- 3) Seed gene bank is a In-situ type of conservation strategy.
- 4) Introduction of exotic species does not harm biodiversity.
- 5) Genetic techniques can be utilized in Ex-situ conservation.

Certificate



Karmaveer
Rajawade Sanshodhan Mandal's

ABASAHEB MARATHE ARTS AND NEW COMMERCE, IQAC
SCIENCE COLLEGE, RAJAPUR

(Vikhare - Gothane) Tal: Rajapur, Dist: Ratnagiri

QUEST FOR EXCELLENCE

Department of BOTANY

BIODIVERSITY

(2022-2023)

CERTIFICATE

This is to certify that _____
of Abasaheb Marathe Arts and New Commerce, Science College, Rajapur has
successfully completed the 30 hours Certificate Course in Biodiversity organized by
the Department of Botany from 1st January to 30th March, 2023.

Dr. B. A. Sonar
In-charge Head Department of Botany

Dr. G. D. Harale
Principal