

"Guest lecture on Introduction to Mangroves and their adaptation"

Organized by

Department of Botany

on

21st January 2020

Co-curricular activity 2020-2021



Department of Botany



Vivekanand College, Kolhapur (Autonomous)
Department of Botany

Guest lecture on Introduction to Mangroves and Their Adaptations
21st January, 2020

INDEX

Permission
Notice
Invitation
Attendance

Sr. No.	Departmental Activities	Page No
1.	Permission	01
2.	Notice	02
3.	Invitation letter	03
4.	Programme schedule	04
5.	Letter of Appreciation	05
6.	Attendance	06-07
7.	Photos	08
8.	One page report	09

For
[Signature]
Head
Department of Botany
Vivekanand College
Kolhapur



[Signature]
PRINCIPAL
Vivekanand College
Kolhapur.

"Dissemination of Education for Knowledge, Science and Culture"

-Shikshanmaharshi Dr. Bapuji Salunke

Shree Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur (Autonomous)

DEPARTMENT OF BOTANY

Date- 15/01/2020

To
The Principal,
Vivekanand College, Kolhapur (Autonomous).

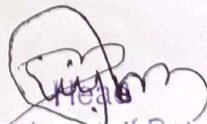
Subject- Permission to conduct guest lecture on 21th January 2020 on 'Introduction to Mangroves and their adaptations.'

Respected Sir,

Department of botany wish to conduct guest lecture on 21th January 2020 on introduction to Mangroves and their adaptations.

Kindly permit us for the same.




Department of Botany
Vivekanand College
Kolhapur



Education for Knowledge, Science and Culture."

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur.

Vivekanand College (Autonomous),

Kolhapur.

Department of Botany

NOTICE

Date: 18/01/2020

Department of Botany, Vivekanand College (Autonomous), Kolhapur is going to organize 'Guest Lecture' of Prof. (Dr.) Niranjana S. Chavan, Adjunct Professor, Department of Botany, Shivaji University, Kolhapur on topic "Introduction to Mangroves and their Adaptations" on Tuesday, 21st Jan. 2020 at Room No. 13. All faculty members and students of B.Sc. II (Botany Practical Batches), B.Sc. II (Plant Protection) and B.Sc. III (Botany) are requested to attend the same at 11:30 a.m.



[Signature]
18/1/2020
Prof. S. P. Salokhe
Head
Department of Botany
Vivekanand College
Kolhapur



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

2130, 'E' Tarabai Park, Kolhapur, Dist. Kolhapur-416 003
Affiliated to Shivaji University, Kolhapur (M.S.)

NAAC Reaccredited : "A" (CGPA 3.24) on 19-01-16 (3rd Cycle)
College with Potential for Excellence (Twice)
"Star College" by D.B.T. Govt. of India



Ph. : 0231-2658612, 2658840 Fax : 0231-2658840 Resi.: 0231-2653962 Website : www.vivekanandcollege.org E-mail : info@vivekanandcollege.org

Founder Dr. Bapuji Salunkhe D. Lit.	President Hon. Chandrakant Dada Patil Minister of Revenue, Relief & Rehabilitation, Public works, Govt. of Maharashtra	Chairman Prin. Abhaykumar Salunkhe M.A.	Secretary Prin. Mrs. Shubhangi Gavade M.Sc., B.Ed.	Principal Dr. S. Y. Hongekar M.A., M.Ed., P.G.D.T.E., M.Phil., Ph.D.
---	---	---	--	---

Ref No. VCK/ 1709/19-20
To,

Date : 16.1.2020

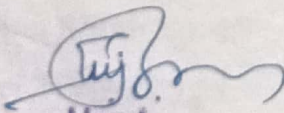
Dr. Niranjana S. Chavan
Adjunct Professor,
Department of Botany,
Shivaji University, Kolhapur.

Subject: Regarding invitation as 'Resource Person'

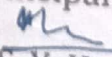
Respected Madam,

With reference to above subject, Department of Botany, Vivekanand (Autonomous) College, Kolhapur is interested in organizing a lecture on **"Introduction to mangroves and their adaptations"** on 21st Jan. 2020. It gives us an immense pleasure to invite you as a resource person for the same. So, your experience in mangrove field will be definitely helpful to our students in future.

Thanking you,


Head
Department of Botany
Vivekanand College
Kolhapur



Principal

(Dr. S. Y. Hongekar)
Principal
Vivekanand College
Kolhapur

"Dissemination of education for Knowledge, Science and Culture"
S.M. Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur.

Vivekanand College (Autonomous),

Kolhapur.

Department of Botany

Guest Lecture on
"Introduction to Mangroves and their Adaptations"

'Programme Schedule'

Resource person: Prof. (Dr.) Niranjana S. Chavan
Adjunct Professor,
Department of Botany,
Shivaji University, Kolhapur

Prayer: Ms. Supriya

Welcome of Resource person: Prof. S.Y. Hongekar

Felicitation: Dr. Manisha B. Salunkhe

Introduction of Programme: Prof. S. P. Salokhe

Introduction of Resource person: Dr. Priya D. Patil

Vote of Thanks: Dr. Lubdha A. Kagale

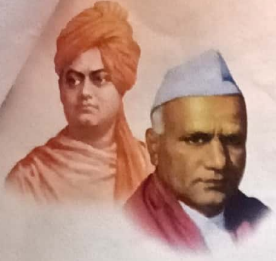
Anchoring: Ms. Roshani Barboza

Venue: Room No. 13

Date: 21/01/2020

Time: 11:30 a.m. onwards





विवेकानंद कॉलेज, कोल्हापूर

२१३०, 'ई' ताराबाई पार्क, कोल्हापूर, जि. कोल्हापूर - ४१६ ००३
शिवाजी विद्यापीठ, कोल्हापूर संलग्नीत

नॅक मानांकन : "A" (सी.जी.पी.ए. ३.२४) दि. १९-०९-१६ (तिसरी फेरी)
कॉलेज उईथ पोटेन्शियल फॉर एक्सलन्स यु.जी.सी.,
स्टार कॉलेज - डी.बी.टी.-भारत सरकार

एव्.आय.आर.एफ्. रँकींग - शिवाजी विद्यापीठात प्रथम, महाराष्ट्रात ५ वा व भारतात ५८ वा क्रमांक



Ph : 0231-2658612, 2658840 Fax : 0231-2658840 Resi.: 0231-2653962 Website : www.vivekanandcollege.org E-mail : info@vivekanandcollege.org

संस्थापक डॉ. बापूजी साळुंखे D. Lit.	अध्यक्ष मा. ना. चंद्रकांत दादा पाटील महसूल, मदत व पुनर्वसन, सार्वजनिक बांधकाम मंत्री, (सार्वजनिक उपक्रम वगळून) महाराष्ट्र राज्य	कार्याध्यक्ष प्राचार्य अभयकुमार साळुंखे M.A	सचिव प्राचार्या सौ. शुभांगी गावडे M.Sc., B.Ed	प्राचार्य डॉ. एस. वाय. होनगेकर M.A., M.Ed., P.G.D.T.E., M.Phil., Ph.D.
---	--	---	---	---

जावक क्रमांक व्हि.सी.के / 1730/19-20

दिनांक : 20.1.2020

Letter of Appreciation

It gives me an immense pleasure to put on record my heartiest thanks to Dr. N. S. Chavan (Adjunct Professor, Department of Botany), Shivaji University, Kolhapur; for delivering a informative and thought provoking lecture on “Introduction to Mangroves and their adaptations” organized by Department of Botany on 21st Jan. 2020.

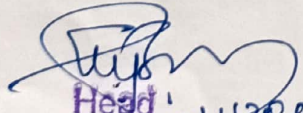
It was really a splendid lecture. All the students appreciated and got benefited from your views on the subject.

We sincerely thanks for accepting our invitation and enlightening the students with your expert guidance.


Thanking you,

Place: Kolhapur

Date: 21/01/2020


Head
18/1/2020
Department of Botany
Vivekanand College
Kolhapur




(Dr. S.Y. Hongekar)
PRINCIPAL
Vivekanand College
Kolhapur

Prof. Dr. N. S. Chavan

Prof.

Introduction of Mangroves and their Adaptations.

No	Name of the student	Roll No	Class	Signature
1.	Pallavi Uday Nalawade.	7636	S.Y Bsc	<u>Pallavi</u>
2.	Pradnya Bhikaji Patil	7640	S.Y. BSC	<u>P. Patil</u>
3.	Shivaneer Bhimrao Londhe	7631	S.Y. BSC.	<u>S. Londhe</u>
4.	Rutuja Laxman Naik	7635	S.Y. BSC.	<u>R. Naik</u>
5.	Shivani Subhash Swami	7653	S.Y. BSC.	<u>Shivani</u>
6.	Shraddha Pandurang Patil	7642	S.Y. B. Sc.	<u>S. Patil</u>
7.	Shweta Pavan Majgaonkar	7632	S.Y. B. Sc.	<u>S. Majgaonkar</u>
8.	Krutika Rajendra koli	7668	S.Y. B. Sc.	<u>K. Koli</u>
9.	Shraddha Prakash More	7673	S.Y. B. Sc.	<u>S. More</u>
10.	Akshata Kuber Patil	7677	S.Y. B. Sc.	<u>A. Patil</u>
11.	Rajashri Prakash Patil	7679	S.Y. B. Sc.	<u>R. Patil</u>
12.	Prajakta Chandrakant Gurav	7661	S.Y B. Sc	<u>P. Gurav</u>
13.	Anundhati Avinash. Kamble	7666	S.Y B. Sc	<u>A. Kamble</u>
14.	Shruti Umesh Ayare	7658	S.Y B. Sc	<u>S. Ayare</u>
15.	Srushti Pandurang Angre	7657	S.Y B. Sc	<u>S. Angre</u>
16.	Shital Krushnat Malap	7671	S.Y BSC	<u>S. Malap</u>
17.	Siddhi Milind Chavan	7869	S.Y B. Sc	<u>S. Chavan</u>
18.	Supriya Ananda Lad	7669	S.Y B. Sc	<u>S. Lad</u>
19.	Sayali Bhausabeb Lad	7690	S.Y BSC	<u>S. Lad</u>
20.	Sayali Shankar Chavan	7659	S.Y BSC	<u>S. Chavan</u>
21.	Sayali Tukaram Torase	7688	S.Y BSC	<u>S. Torase</u>
22.	Ravina Kiran Powar	7683	S.Y BSC	<u>R. Powar</u>
23.	Tejaswini Subhash shinde	7684	S.Y BSC	<u>T. Shinde</u>
24.	Nilam Ananda Varate	7689	S.Y BSC	<u>N. Varate</u>
25.	Anushka Dhanaji Patil	7678	S.Y BSC	<u>A. Patil</u>
26.	Pooja Ramchandra Patil	7636	Ty BSC	<u>P. Patil</u>
27.	Megha Suresh Khote	8130	Ty BSC	<u>M. Khote</u>
28.	Supriya Balu Adkarkar	7607	S.Y BSC	<u>S. Adkarkar</u>
29.	Roshani Ruzaini Barbora	8123	Ty BSc.	<u>R. Barbora</u>
30.	Pranali Vijay Gurav	8126	Ty B. sc.	<u>P. Gurav</u>
31.	Shamal Shridhar Patil	8137	Ty. BSC	<u>S. Patil</u>



32.	Aishwarya Bhagvan Sasane.	7648	S.Y.B.Sc	एसिसे
33.	Akanksha Ashok Patil	7639	S.Y.B.Sc	अशोक
34.	Dohan Ramdas Jadhav	7665	S.Y. B.Sc.	दोहन
35	Abhay Bajirao Patil	7676	S.Y.-B.Sc	अभय
36	Omkar Shashikant Chougale	7660	S.Y. B.Sc	ओंकार
37	Rameshwar Balaji Munde	7674	S.Y. B.Sc	रमेश्वर
88	Nikita Dilip More	7672	S.Y. B.Sc	निकिता
89	Fiza Afatab Naikawdi	7675	S.Y. B.Sc	फिजा
40	Manasi Anil Havale	7662	S.Y. B.Sc	मनसी
41.	Shweta Bajirao Jufur	7686	S.Y. B.S.C	श्वेता
42	Priyanka Vijay Humbe	7664	S.Y B.S.C	प्रियंका
43.	Shreya Sunil Sutar.	7685	S.Y. B.S.C	श्रेया
44	Ketki Kisan Lokhande	7518	S.Y. B.S.C	केतकी
45)	Rutuja Bajirao More	7634	S.Y. B.Sc	रुतुजा
46)	Priyanka Sanjay Patil	7641	S.Y B.Sc	प्रियंका
47)	Ankita Vilas Pawar.	8138	T.Y B.Sc	अंकिता
48)	Harshoda Dattatray Patil	8135	T.Y. B.Sc	हर्शोदा
49)	Pallavi Sunil Chandanshiv	8124	T.Y. B.Sc	पल्लवी
50)	Amruta Tatyasa Khodbale	8129	T.Y. B.Sc	अमृता
51)	Saloni Sardar Angre	8122	T.Y. B.Sc.	सलोनी
52)	Mayuri Sayaji Gaikwad	8125	T.Y. B.Sc	मायुरी
53)	Vapna Bharat Wase	7649	S.Y. B.Sc	वपना
54)	Komal Rajkumar Parit	7606	S.Y B.Sc	कोमल
55)	Jyoti Bajirao Gadgil	7619	S.Y. B.Sc.	ज्योती
56)	Prathamesh Kamble	8128	TY BSc	प्रथमेश
57)	Abhijeet Mali	8364	TY BSc	अभिजेत
58)	Makarand Mohan Gokhale	7636	S.Y. B.Sc	मकारंद
59)	Rushikesh Bhagavat Powar	7647	S.Y. B.Sc.	रुशिकेश
60)	Sanmati Annaso Khot.	7626	S.Y. B.Sc.	संमती
61)	Shradha Shankar Gaikwad.	7615	S.Y BSC	श्रद्धा
62)	Dhananjay Kisan Bavache	7609	S.Y. B.Sc	धनंजय
63)	Anil Parshuram Baygol	7610	S.Y. BSC	अनिल

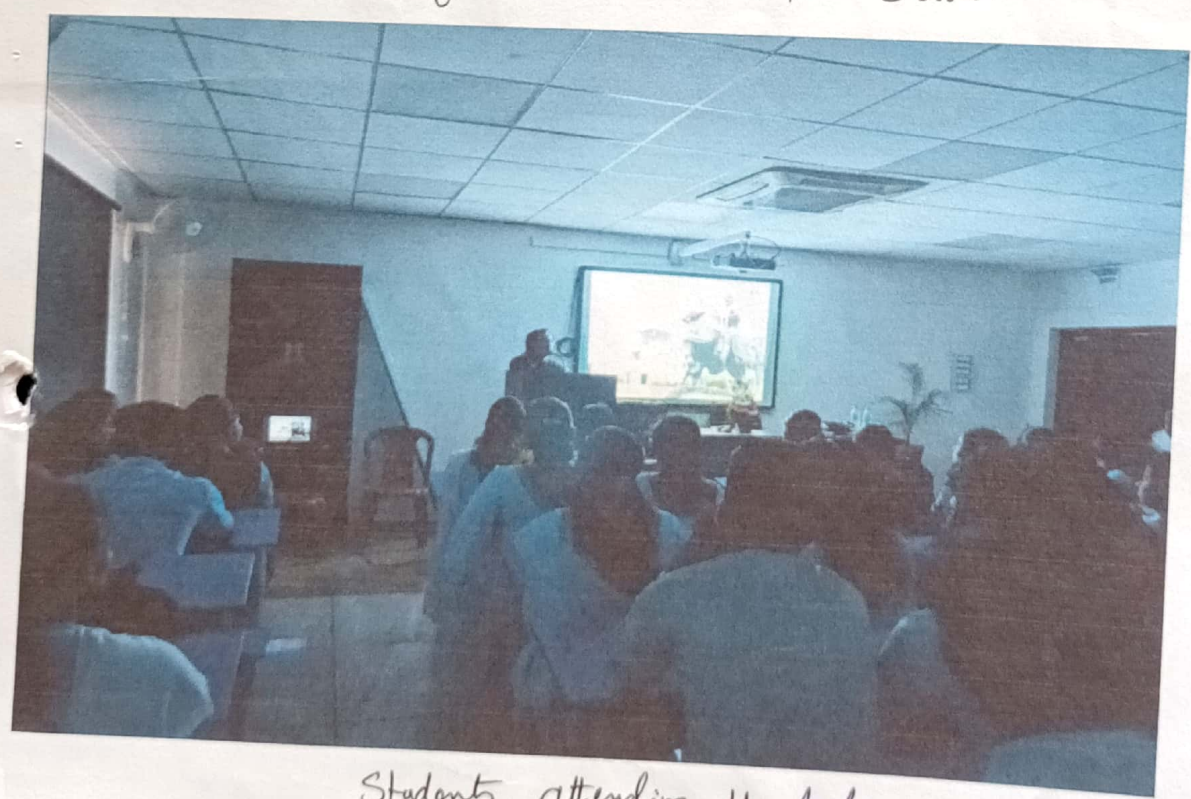


64]	Rushikesh Balasheb Kadam	7618	S.Y. BSC	<u>Fordam</u>
65)	Rushikesh Mallappa Kamble	7620	S.Y. BSC	<u>Prambe:</u>
66)	Omkar Ramchandra Khot	7624	S.Y. BSC	<u>Chakraborty</u>
67]	Rutvik Deepak Kose	7629	S.Y. BSC	<u>Pokar</u>
68]	Pranoti Sunil Kumbhar	7630	S.Y. BSC	<u>Dhambhar</u>
69]	Aakanksha H. Khade	7623	S.Y. B.S.C	<u>@khade</u>
70]	Peajakta R. Kesarkar	7622	S.Y. B.S.C.	<u>Khade</u>
71)	Rutuja V. Kadam	7619	S.Y. B.S.C	<u>Bhaskar</u>
72]	SIDDHIKA J. BAGWAN	7608	S.Y. B.S.C	<u>Khade</u>
73)	Shraddha - A. Bhoi	7612	S.Y. B.S.C	<u>S.A. Bhoi</u>
74)	Sakshi Suresh Khot	7625	S.Y. B.S.C	<u>S.K.H.</u>
75)	Anirudha K. Wadeyat.	7656	S.Y. B.S.C	<u>Wadeyat</u>





Welcome of Resource Person Dr. H. S. Chavan.



Students attending the lecture.



"Dissemination of Education for Knowledge, Science and Culture"

-Shikshanmaharshi Dr. Bapuji Salunkhe.

Shri. Swami Vivekanand Shikshan Santha's

Vivekanand College, Kolhapur (Autonomous)

DEPARTMENT OF BOTANY

Date: 22/01/2020

One page Report on Introduction to Mangroves and their adaptations

Introduction

A seminar on "Introduction to Mangroves and Their Adaptations" was conducted, with Dr. N. S. Chavan as the resource person. The program was introduced by Prof. S. P. Salokhe, and the resource person was welcomed by Prin. Prof. S. Y. Hongekar.

Welcome Address

Prof. S. Y. Hongekar extended a warm welcome to Dr. N. S. Chavan and expressed gratitude for her presence. He highlighted Dr. Chavan's extensive knowledge in the field of botany and her contributions to the study of mangroves.

Introduction of the Program

Prof. S. P. Salokhe introduced the program, outlining its objectives and the importance of understanding mangroves and their adaptations. He emphasized the relevance of the topic in the current environmental scenario.

Presentation by Dr. N. S. Chavan

Dr. N. S. Chavan presented an insightful session on mangroves and their unique adaptations. She discussed the ecological importance of mangroves, their role in coastal protection, and their unique adaptations such as pneumatophores and salt excretion. Her presentation was both informative and engaging, providing the attendees with a deeper understanding of the subject.

Felicitation

Dr. Manisha Salunkhe felicitated Dr. N. S. Chavan, acknowledging his valuable contribution to the seminar. She expressed appreciation for her enlightening presentation and her dedication to the field of botany.

Introduction of the Resource Person

Dr. Priya D. Patil introduced Dr. N. S. Chavan, highlighting her academic achievements and contributions to the field of botany. She praised her expertise and her ability to make complex concepts understandable.



Vote of Thanks

Dr. Lubdha Kagale expressed the vote of thanks, acknowledging the efforts of everyone involved in organizing the seminar. She thanked Dr. N. S. Chavan for her insightful presentation and all the attendees for their active participation.

Anchoring

The event was anchored by Ms. Roshani Barboza, who ensured a smooth flow of the program. Her effective coordination and engaging presentation style added to the overall success of the event.

Conclusion

The seminar was a great success, providing attendees with valuable insights into the world of mangroves and their adaptations. The knowledge shared by Dr. N. S. Chavan was highly appreciated by all participants, and her expertise in the field was evident in her comprehensive and engaging presentation.





“Education for Knowledge, Science and Culture”

-Shikshanmaharshi Dr. Bapuji Salunkhe

Vivekanand College, Kolhapur (Autonomous)

Internal Quality Assurance Cell 2020-21



Quality Initiatives/ Activities Report

1. **Name of Department:** Botany
2. **Name of Organized Activity:** Guest lecture on Introduction to Mangroves and their adaptation.”
3. **Date/ Duration:** 21st January, 2020.
4. **Aims and Objectives:**

Aims

Some of the aims are:

- To introduce the reader to the definition, distribution, and importance of mangroves as a unique ecosystem.
- To demonstrate the diversity and complexity of mangrove flora and fauna and their ecological interactions.
- To raise awareness of the threats and challenges faced by mangroves due to human activities and climate change.
- To highlight the conservation and restoration efforts and initiatives for mangroves and their ecosystem services.

Objectives

- To provide an overview of the main features and functions of mangroves, such as their prop roots, pneumatophores, vivipary, salt tolerance, and nutrient cycling.
- To describe the different types and species of mangroves and their distribution across the world.
- To illustrate the various benefits and values of mangroves for the environment and human well-being, such as coastal protection, water quality, carbon sequestration,



and fisheries.

- To explain the various threats and challenges faced by mangroves, such as deforestation, pollution, climate change, and invasive species.
- To discuss the conservation and restoration strategies and initiatives for mangroves and their ecosystem services, such as mangrove planting, community involvement, policy support, and monitoring.

These aims and objectives can help the reader to gain a comprehensive and balanced understanding of the mangrove ecosystem and its significance for biodiversity, climate change mitigation, and sustainable development.

5. **No. of beneficiaries:** 75

6. **Expenditure & funding agency:/collaborators:** No

7. Brief description:

Mangroves are plants that grow in coastal areas where salt water and fresh water mix. They have special adaptations to survive in this harsh environment, such as roots that can breathe air, leaves that can excrete salt, and seeds that can float and germinate in water. Mangroves provide many benefits to humans and nature, such as protecting the shorelines from erosion and storms, filtering pollutants and sediments from the water, storing carbon and reducing greenhouse gases, and supporting a rich biodiversity of animals and plants.

8. Outcome

The outcomes of the guest lecture on "Introduction to Mangroves and their adaptation" organised by Vivekanand College, Kolhapur (Autonomous) on 21st January 2020 are as follows:

- The guest lecture was delivered by Prof. Dr. N. S. Chavan, a renowned botanist, adjunct professor, Department of Botany, Shivaji University, Kolhapur and an expert on mangrove ecology and conservation.
- The lecture aimed to provide an overview of the mangrove ecosystem, its diversity, importance, threats, and conservation measures.
- The lecture covered various topics, such as the definition, distribution, and classification of mangroves, their anatomical and physiological adaptations to



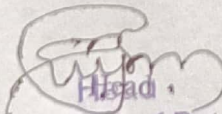
saline and anoxic conditions, their ecological functions and services, such as coastal protection, carbon sequestration, and biodiversity support, their socio-economic values and benefits for human well-being, such as fisheries, tourism, and livelihoods, their major threats and challenges, such as deforestation, pollution, climate change, and invasive species, and their conservation and restoration strategies and initiatives, such as mangrove planting, community involvement, policy support, and monitoring.

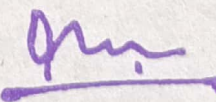
- The lecture was attended by around 100 participants, including faculty members, research scholars, and students from various departments of the college and other colleges in the region.

- The lecture was interactive and engaging, as the participants asked relevant questions and comments to the speaker and shared their experiences and knowledge on mangrove issues.

- The lecture was informative and inspiring, as the participants learned new facts and insights on mangrove ecology and conservation and expressed their interest and enthusiasm to participate in mangrove-related activities and projects in the future.

The guest lecture was a successful and fruitful event that enhanced the awareness and appreciation of the participants on the mangrove ecosystem and its significance for the environment and society.


Head,
Department of Botany
Vivekanand College
Kolhapur



Principal

Vivekanand College, Kolhapur

PRINCIPAL
Vivekanand College
Kolhapur