

ADVISORY COMMITTEE

- Prof. Dr. D. T. Shirke**, Vice-Chancellor, Shivaji University, Kolhapur
Prof. Dr. P. S. Patil, Pro-Vice Chancellor, Shivaji University, Kolhapur
Prof. S. R. Yadav, INSA Senior Scientist & President, Indian Botanical Society
Dr. R. V. Gurav, Head, Department of Botany, Shivaji University, Kolhapur
Prof. T. D. Nikam, Emeritus Professor, Department of Botany, SPPU
Prof. Dr. A. B. Nadaf, Head, Department of Botany, SPPU
Prin. C. J. Khilare, K. B. P. College, Pandharpur
Prin. Dr. Mohan Rajmane, S.G.M. College, Karad
Dr. Ab. Waheed Wani, Assistant Professor, Department of Horticulture, Lovely Professional University, Punjab
Dr. C. S. Gupta, Scientific Officer, NIPHM, Hyderabad
Dr. M. D. Nandikar, Sr. Scientist, APT Research Foundation, Pune
Prof. B. M. Gaikar, Head, Department of Botany, Ahmednagar College, Ahmednagar (Chairman, BOS, SPPU)
Dr. D. M. Mahajan, Professor, Department of Botany, B. R. Gholap College, Sangvi, Pune
Dr. H. S. Patil, Head, Department of Botany, Vidya Pratishthan's Arts, Science and Commerce College, Baramati
Mr. S. A. Mohite, Head, Department of Botany, L. B. S. College, Satara
Dr. M.B. Waghmare, Head, Department of Botany, The New College, Kolhapur
Dr. M.V. Ingawale, Head, Department of Botany, Kisan Veer Mahavidyalaya, Wai
Dr. V. V. Kamble, Head, Department of Botany, Dahiwadi College, Dahiwadi
Dr. S. D. Shaikh, Head, Department of Botany, R.C. Shahu College, Kolhapur
Dr. S. M. Shendage, Head, Department of Botany, Balwant College, Vita
Dr. U. S. Pawar, Head, Department of Botany, A. S. S. M. Medha
Dr. V. N. Patil, Dr. R. G. Bhojar Arts, Commerce and Science College (Vidyabharti College) Seloo, District- Wardha

CHIEF PATRONS

PadmaVibhushan Hon'ble Shri. Sharadchandraji Pawar
President, Rayat Shikshan Sanstha, Satara

Hon'ble Dr. Vishwajeet Patangrao Kadam
Chairman, CDC, D. P. Bhosale College Koregaon

PATRONS

Hon. Dr. Anil Patil

Chairman, Rayat Shikshan Sanstha, Satara.

Hon. Prin. Dr. V. S. Shivankar

Secretary, Rayat Shikshan Sanstha, Satara.

Hon. Prin. Dr. S. G. Menkundale

Joint-Secretary, Rayat Shikshan Sanstha, Satara.

ORGANISING COMMITTEE

- | | |
|------------------------|------------------------|
| Prin. Dr. V. S. Sawant | - Chairman |
| Dr. S. M. Deshpande | - Convener |
| Dr. S. B. Zimare | - Co-Convener |
| Dr. P. S. Kakade | - Organizing Secretary |
| Dr. P. P. Kamble | - Treasurer |
| Dr. R. B. Patil | - Co-ordinator |
| Dr. B. S. Lokde | - IQAC Co-ordinator |



Rayat Shikshan Sanstha's

D. P. Bhosale College, Koregaon

Tal. Koregaon, Dist. Satara-415501, MS (INDIA)

E-mail: dpbckoregaon@gmail.com Website - www.dpbck.ac.in

NAAC Re-accredited "A" Grade with CGPA 3.12

ISO 9001 : 2015 certified

Affiliated to Shivaji University, Kolhapur

Two Days Hybrid Mode

International Conference on "EMERGING TRENDS IN PLANT SCIENCES, BIODIVERSITY CONSERVATION AND ENVIRONMENT SUSTAINABILITY"

Organized by

Department of Botany in Association with IQAC

9th & 10th Nov. 2022

Invited Speakers



Prof. Disna Ratnasekera
University of Ruhuna
Sri Lanka



Dr. Mohd. Shahnawaz
Jiangsu University,
Zhenjiang, China



Dr. Ranjit Gurav
Texas State University,
USA



Dr. Ritesh Kumar Choudhary
Agharkar Research
Institute, Pune



Dr. Monica Kavale,
CSIR-CSMCRI,
Bhavnagar, Gujarat



Dr. Mahesh Shindikar
COEP, Pune

ABOUT THE PARENT INSTITUTE

Rayat Shikshan Sanstha, Satara is Asia's largest educational institute. There are more than 772 branches including 41 colleges spread over 15 districts of Maharashtra and 01 district of Karnataka. It was established in 1919 by late Padmabhushan Dr. Karmaveer Bhaurao Patil to uplift the rural, uneducated and downtrodden masses through education. The motto of sanstha is "Education through self-help" which imparts education to all classes and masses for their upliftment. The founder of the sanstha late Padmabhushan Dr. Karmaveer Bhaurao Patil was a stalwart educationist and social thinker who devoted himself to the cause of education.

ORGANISING INSTITUTE

D. P. Bhosale College, Koregaon is imparting education in rural and hilly area in jurisdiction of Shivaji University, Kolhapur. This college is run by Rayat Shikshan Sanstha, Satara which renders quality education to poor and downtrodden masses. Established in 1968, the college imparts quality education in Arts, Commerce, Science, B.C.A. and B. Voc. in Sustainable Agriculture streams. Our college provides facility of distance education of Shivaji University, Kolhapur and YCMOU, Nashik.

The college has been re-accredited 'A' grade with 3.12 CGPA by NAAC Bangalore in Third Cycle of assessment. It is also certified with ISO 9001-2015. The college takes pride in its qualified and active faculty involved in research. The faculty members filed and published 18 patents, 1 Trademark and published more than 200 research papers in National and International indexed journals of repute having good impact factor. The College has been awarded with Karmveer Pritoshik-Ideal College award by Parent Institute i.e. Rayat Shikshan Sanstha.

ABOUT THE BOTANY DEPARTMENT

The Department of Botany was established in June 1968. The department primarily runs the undergraduate courses in Botany. The faculties are highly qualified with diverse research interests, and are devoted to their subject giving encouraging environment to all the students.

The objective of the Department of Botany has been to bestow quality education to students. The atmosphere of the department is always student-centric and healthy. The department is committed to upskill the students through multifarious curricular, co-curricular and extra-curricular activities throughout the year. The department intends to recognize the potential of every student and develop his/her abilities and accordingly enhance their technical and critical thinking skills necessary for success in the field. The department has well equipped laboratory with LCD, rich in study materials..

ABOUT THE CONFERENCE

The conference will be progressing ahead with its special theme "Emerging Trends in Plant Sciences, Biodiversity Conservation and Environment Sustainability" (ETPSBCES-2022) and it will cover a broad spectrum of critically important topics including recent emerging trends, latest advancements, and recent innovative research work. ETPSBCES-2022 will cover all fundamental facets through its keynote session, plenary talks, oral and poster presentations which will upgrade the growth of Plant Science, Biodiversity Conservation, Environmental Science and allied fields.

Plants and the biological processes which encompass them are vital for the long-lasting well-being of the planet and its inhabitants'. Humankind is facing critical concerns in the field of food, health, and environment which are intensified due to the consequences of climate change. Plant systems are the caretakers of the healthy ecosystems and environments, climate change, and are primary producers of food, feed, fibre, shelter and energy, and are important and efficient to tackle these critical concerns.

This conference will help us identify our skills and will aid to focus on employing emerging technologies effectively with an aim to meet the sustainability goals. Through this conference we attempt to present a wide approach to mitigate the world's critical issues through research, practical applications, and education along with an emphasis on the potentiality of plants for a sustainable, green and healthy future.

CALL FOR PAPERS

Participants should send abstracts of not more than 300 words, in MS word format, Times New Roman font, 12 font size. The abstract should contain the following information: (a) Title of the paper, (b) author(s) name, (c) affiliation, (d) email address, (e) phone number(s) and (f) 5 keywords of the proposed paper. Abstracts should be sent to E-mail: etpsbces_ic@dpbck.ac.in Participants are encouraged to submit full length papers. The papers will be published in UGC-CARE listed journal. After acceptance, authors have to bear the publication charges as per the norms of journal.

SUB THEME OF THE CONFERENCE

- Cell & Molecular Biology
- Molecular Taxonomy
- Floristics
- Plant Diversity and Conservation
- Green chemistry
- Neutraceuticals
- Environment & Ecology
- Phycology, Mycology & Plant Pathology
- Plant Biotechnology
- Stress Physiology
- Phytoremediation
- Phytochemistry
- Biofuel
- Bioinformatics

REGISTRATION FEES

| Particulars of Participation/Publication | Offline Mode | Online Mode | Foreign Delegates |
|----------------------------------------------|---------------------------------------------------|-------------|-------------------|
| Faculty | Rs. 1000/- | Rs. 150/- | 15 \$ |
| Research Fellows/Students | Rs. 500/- | Rs. 100/- | 10 \$ |
| Industry Representatives | Rs. 1500/- | Rs. 500/- | 25 \$ |
| Paper Publication in UGC care listed Journal | Charges applicable as per UGC care listed Journal | | |

Participants are encouraged to submit full length papers. The papers will be published in UGC-CARE listed journal. After acceptance authors have to bear the publication charges as per the norms of journal.

BANK DETAILS

Bank of India. Branch- Koregaon,

IFSC: BKID0001320

Ac. No.: 132020110000259

FOR REGISTRATION AND SUBMISSION:

CONTACTS

Dr. R. B. Patil +91 9404654296

Dr. P. S. Kakade +91 9021307003

Abstract Submission

Last Date - 6th Nov. 2022

Full Paper Submission

Last Date - 9th Nov. 2022

IMPORTANT LINKS

WEBSITE:

College: <http://www.dpbck.ac.in>

REGISTRATION LINK:

<https://forms.gle/d2xa9vawHxAWGX6a7>

ABSTRACT SUBMISSION

etpsbces_ic@dpbck.ac.in

LINK TO JOIN:

<https://us06web.zoom.us/j/3785706133>

<https://us06web.zoom.us/j/3785706133?pwd=YTd0TFArVjM5WG1VK2pOT3J5dnFrQT09>

<https://us06web.zoom.us/j/3785706133?pwd=YTd0TFArVjM5WG1VK2pOT3J5dnFrQT09>

Rayat Shikshan Sanstha's

D. P. Bhosale College, Koregaon

Department of Botany

TWO-DAYS INTERNATIONAL CONFERENCE ON

**"EMERGING TRENDS IN PLANT SCIENCES, BIODIVERSITY
CONSERVATION AND ENVIRONMENT SUSTAINABILITY"**

(9th - 10th November, 2022)

REPORT

A two-days International Conference on "Emerging trends in Plant Sciences, Biodiversity Conservation and Environment Sustainability" (ETPSBCES-2022) was organized by Department of Botany in Association with IQAC, D. P. Bhosale College, Koregaon from 9th - 10th November, 2022.

The Chief Patrons for ETPSBCES-2022 were **Padma Vibhushan Hon'ble Shri. Sharadchandraji Pawar**, President, Rayat Shikshan Sanstha, Satara and **Hon'ble Dr. Vishwajeet Patangrao Kadam**, Chairman, College Development Committee, D. P. Bhosale College Koregaon. The Patrons were **Hon. Dr. Anil Patil**, Chairman, **Hon. Prin. Dr. V. S. Shivankar**, Secretary, and **Hon. Prin. Dr. S. G. Menkudale**, Joint-Secretary of Rayat Shikshan Sanstha, Satara. The **Advisory committee** included **twenty-two members** of national repute. The **Organizing Committee** was chaired by **Hon. Dr. V. S. Sawant**, Principal, D. P. Bhosale College, Koregaon. The **Convenor** of ETPSBCES-2022 was **Dr. S. M. Deshpande**, Head, Department of Botany, D. P. Bhosale College, Koregaon; Co-Convenor was **Dr. S. B. Zimare**; Organizing Secretary **Dr. P. S. Kakade**; Treasurer **Dr. P. P. Kamble**; Co-ordinator **Dr. R. B. Patil** and **Dr. B. S. Lokde**, Co-ordinator-IQAC, D. P. Bhosale College, Koregaon.

A total of **189** participants registered for the two-days International Conference on ETPSBCES-2022. Out of which 65 participants presented their research work by submitting their abstracts. After scrutiny the participants were given oral and poster presentations.

The first day of the conference commenced with the inauguration ceremony in presence of **Hon. Prof. Dr. P. S. Patil**, Pro-Vice Chancellor, Shivaji University,

Kolhapur. He delivered a Keynote address, followed by the Presidential address by Prof. C. D. Lokhande, D. Y. Patil University, Kolhapur in auspicious presence of **Hon. Dr. V. S. Sawant, Principal**, D. P. Bhosale College, Koregaon and convenors of all the conferences.

Day - 1, Wednesday, 9th Nov. 2022:

Online Session - I of the conference started at 12.25 p.m. **Dr. P. S. Kakade**, warmly welcomed all the delegates and participants. This session was chaired by **Dr. S. J. Vyas**, Professor and Head, Department of Life Sciences, Bhakta Kavi Narsinh Mehta University, Junagadh, Gujarat, India. While rapporteur for this session was **Dr. S. B. Zimare**. Talk - 1 was delivered by international resource person, **Dr. Mohd. Shahnawaz**, Associate Professor, Biofuels Institute, School of Environment and Safety Engineering, Jiangsu University, Zhejiang, China on the topic **“Mangroves as a landmark for plastic degrading microbes”**.

Post-lunch Session - II started from 2.00 p.m. onwards. This session comprised of two lectures. The second talk of this day-1 of the conference was delivered by **Dr. Ritesh Kumar Choudhary**, Scientist 'E', Biodiversity and Palaeobiology Group, Agharkar Research Institute, Pune, India on the topic **“Omega Taxonomy vis-à-vis Phytodiversity Documentation”**. **Dr. S. R. Pai**, Head, Department of Botany, IQAC Co-ordinator, Dada Patil Mahavidyalaya, Karjat, Ahmednagar, Maharashtra chaired this session while **Dr. P. S. Kakade** managed the rapporteuring of the session.

After the question-answer session, the third talk of Session - II was scheduled at 3.00 p.m. The Chairman for this session was **Dr. M. Y. Borde**, Assistant Professor, Department of Botany, Savitribai Phule Pune University, Pune, Maharashtra, India. **Dr. P. P. Kamble** was the rapporteur for the session. The session was delivered by **Dr. Monica Kavale**, Senior Scientist, CSIR-Central Salt and Marine Chemicals Research Institute (CSMCRI), Bhavnagar, Gujarat, India delivered her talk on **“Seaweed Farming: The Potential livelihood source for Coastal Population - Perspective of Maharashtra Coast”**.

Session - III was scheduled for oral and poster presentations for day-1 from 4.00 p.m. onwards. The oral presentation was chaired by **Dr. V. H. Lokhande**, Head, Department of Botany, Shri Shiv Chhatrapati Arts, Commerce and Science College,

Bodkenagar, Junnar, Pune and **Dr. N. M. Ghangaonkar**, Associate Professor, Department of Botany, C. T. Bora College, Shirur, Pune. Rapporteur for oral presentation was done by **Dr. S. B. Zimare**. The poster presentation was chaired by **Dr. U. S. Pawar**, Head, Department of Botany, Amdar Shashikant Shinde Mahavidyalay, Medha, Satara and **Dr. S. D. Shaikh**, Head, Department of Botany, Rajarshi Chhtrapati Shahu College, Kolhapur. Rapporteur for poster presentation was done by **Dr. S. M. Deshpande**. The sessions for oral and poster presentations were run parallelly in online mode.

Day - 2, Thursday, 10th Nov. 2022:

The Day - 2 of the international conference began at 10.25 a.m. with Session - IV which included two talks, one international and one national. Talk - 4 of the conference was presented by international spokesperson **Dr. Ranjit Gurav of the Ingram School of Engineering, Texas State University, Texas, USA**. He addressed on the topic "**Plant-microbial Fuel Cell: A New Technology for Harnessing Bioelectricity**". This talk was chaired by **Dr. V. A. Bapat**, NASI Honorary Scientist, Department of Biotechnology, Shivaji University, Kolhapur, Maharashtra. Rapporteur for the session was **Dr. R. B. Patil**. Talk - 4 was followed by talk - 5 which started at 11.30 a.m. The Chairman for this session was **Dr. M. Y. Borde**, Assistant Professor, Department of Botany, Savitribai Phule Pune University, Pune, Maharashtra, India. **Dr. P. P. Kamble** was the rapporteur for the session. Talk - 5 was delivered by **Dr. Mahesh Shindikar, Assistant Professor of Biology, Applied Science Department, College of Engineering, Pune**. His topic was based on "**Green Audit: A concrete step to achieve Environmental Sustainability**".

Session - V started at 12.30 p.m. covering a talk on "**Stress Physiology and Molecular mechanism for Stress Tolerance**" by international speaker **Dr. Disna Ratnasekera, Professor of Agric. Biology, Department of Agricultural Biology, Faculty of Agriculture, University of Ruhuna, Sri Lanka**. This session - V was chaired by **Prof. T. D. Nikam**, Emeritus Professor, Department of Botany, Savitribai Phule Pune University, Pune. Rapporteur was done by **Dr. S. M. Deshpande**.

Post-lunch Session – VI started at 2.00 p.m. for oral and poster presentations for day-2. The oral presentation was chaired by **Dr. V. H. Lokhande** and **Dr. N. M. Ghangaonkar**. Rapporteur for oral presentation was done by **Dr. P. P. Kamble**. The poster presentation was chaired by **Dr. U. S. Pawar** and **Dr. S. D. Shaikh**. Rapporteur for poster presentation was done by **Dr. R. B. Patil**. The sessions for oral and poster presentations were run parallelly in online mode in two break-out rooms.

The valedictory function started at 4.30 p.m. **Dr. S. M. Deshpande, Convenor, ETPSBCES-2022** delivered her Convenor's address to the delegates and participants. The participants who presented their research work were encouraged and appreciated by giving prizes for their oral and poster presentations which were announced by **Dr. R. B. Patil**. This was followed by speech by [Hon. Chief Guest Dr. S. D. Shaikh, Head, Department of Botany, Rajarshi Chhtrapati Shahu College, Kolhapur](#). Further, **Dr. P. S. Kakade** expressed word of gratitude towards everyone and the knowledge platform was concluded. The link for the feedback form was shared and feedback was taken from the participants. The certificates of the conference were released to participants after successful submission of the feedback.

Zoom Platform Links:

Inaugural Function:

<https://us06web.zoom.us/j/3785706133?pwd=YTd0TFArVjM5WG1VK2pOT3J5dnFrQT09>

Day - 1:

<https://us06web.zoom.us/j/3785706133?pwd=YTd0TFArVjM5WG1VK2pOT3J5dnFrQT09>

Day - 2:

<https://us06web.zoom.us/j/89384089605?pwd=ZW5pMndNUFhCUEF0dE94VTU4cHNHdz09>

Oral Presentation:

<https://us06web.zoom.us/j/89384089605?pwd=ZW5pMndNUFhCUEF0dE94VTU4cHNHdz09>

Poster Presentation:

<https://us06web.zoom.us/j/82486203262?pwd=SIlrS0o0SEo1Y242NmgySjZjSVJRQT09>

Valedictory Function:

<https://us06web.zoom.us/j/88356063425?pwd=TnZlZW14MjI0VjY0EwRXJWVG45QT09>



D.P. Bhosale College, Koregaon

Tal. Koregaon, Dist.- Satara, 415 501, Maharashtra (India)

☎ (02163) 220219 Email- dpbckoregaon@gmail.com Website - www.dpbck.ac.in

Arts, Commerce, Science, BCA, B.Voc. (Sust. Agri.)

NAAC Reaccredited: 'A' Grade with CGPA 3.12

ISO 9001: 2015 Certified

Affiliated : Shivaji University, Kolhapur * Uni. Affil. No. UKF/7569/11529-y

* Jr. College Index No. J21.05.001

Principal, Dr. Vijaysinh S. Sawant M.Sc. Ph.D.

Ref. No. : 8041/2022-23

Date : 3/11/2022

LETTER OF INVITATION

To,
Prof. Disna Ratnasekera
Professor of Agric. Biology,
Department of Agricultural Biology,
Faculty of Agriculture,
University of Ruhuna, Sri Lanka

Subject: Invitation as a Resource Person at International Conference (Online mode) on "*Emerging Trends in Plant Sciences, Biodiversity Conservation and Environment Sustainability*".

Dear Madam,

It is our pleasure to invite you as a **Resource Person** in the International Conference (Online mode) on "*Emerging Trends in Plant Sciences, Biodiversity Conservation and Environment Sustainability*" (ETPSBCES-2022) scheduled from **November 9th – 10th, 2022** in Satara, Maharashtra.

Your online participation as Resource Person will be a great honour for us.

We look forward to a positive confirmation.

Yours Sincerely,



PRINCIPAL,
D. P. Bhosale College,
Koregaon.



D.P. Bhosale College, Koregaon

Tal. Koregaon, Dist.- Satara, 415 501, Maharashtra (India)

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Principal, Dr. Vijaysinh S. Sawant M.Sc. Ph.D.

Ref. No. : 805 / 2022-23

Date : 11 / 11 / 2022

LETTER OF APPRECIATION

To,
Prof. Disna Ratnasekera
Professor of Agric. Biology,
Department of Agricultural Biology,
Faculty of Agriculture,
University of Ruhuna, Sri Lanka

Subject: Appreciation for the Talk at the International Conference (Online mode) on "*Emerging Trends in Plant Sciences, Biodiversity Conservation and Environment Sustainability*".

Dear Madam,

This letter is being written to appreciate you for your participation as a **Resource Person** at the International Conference (Online mode) on "*Emerging Trends in Plant Sciences, Biodiversity Conservation and Environment Sustainability*" (ETPSBCES-2022) that was conducted from **November 9th – 10th, 2022.**

We would like to express our gratitude to you for the talk on "**Stress Physiology and Molecular mechanism for stress tolerance**" and create awareness regarding the same.

We sincerely appreciate you for taking out time from your busy schedule to provide us with such valuable information.

Wishing you all the best for your future endeavors.

Yours Sincerely,



PRINCIPAL,
D. P. Bhosale College,
Koregaon.



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Principal, Dr. Vijaysinh S. Sawant M.Sc. Ph.D.

Ref. No. : 804/2022-23

Date : 03/11/2022

LETTER OF INVITATION

To,

Dr. Mahesh Shindikar

Assistant Professor of Biology,

Applied Science Department,

College of Engineering, Pune - 411005.

Subject: Invitation as a Resource Person at International Conference (Online mode) on "*Emerging Trends in Plant Sciences, Biodiversity Conservation and Environment Sustainability*".

Dear Sir,

It is our pleasure to invite you as a **Resource Person** in the International Conference (Online mode) on "*Emerging Trends in Plant Sciences, Biodiversity Conservation and Environment Sustainability*" (ETPSBCES-2022) scheduled from **November 9th – 10th, 2022** in Satara, Maharashtra.

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We look forward to a positive confirmation.

Yours Sincerely,



PRINCIPAL,
D. P. Bhosale College,
Koregaon.



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* Jr. College Index No. J21.05.001

Principal, Dr. Vijaysinh S. Sawant M.Sc. Ph.D.

Ref. No. : 805 / 2022 - 23

Date : 11 / 11 / 2022

LETTER OF APPRECIATION

To,

Dr. Mahesh Shindikar

Assistant Professor of Biology,

Applied Science Department,

College of Engineering, Pune - 411005.

Subject: Appreciation for the Talk at the International Conference (Online mode) on "*Emerging Trends in Plant Sciences, Biodiversity Conservation and Environment Sustainability*".

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We would like to express our gratitude to you for the talk on "**Green Audit: A concrete step to achieve Environmental Sustainability**" and create awareness regarding the same.

We sincerely appreciate you for taking out time from your busy schedule to provide us with such valuable information.

Wishing you all the best for your future endeavors.

Yours Sincerely,



PRINCIPAL,
D. P. Bhosale College,
Koregaon.

"Education through self-help is our motto" – Karmaveer

Estd: 1968

Rayat Shikshan Sanstha's,



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Principal, Dr. Vijaysinh S. Sawant M.Sc. Ph.D.

Ref. No. : 804/2022-23

Date : 03/11/2022

LETTER OF INVITATION

To,

Dr. Monica Kavale

Senior Scientist,

CSIR-Central Salt and Marine Chemicals

Research Institute (CSMCRI)

Gijubhai Badheka Marg,

Bhavnagar 364 002, Gujarat, India

Subject: Invitation as a Resource Person at International Conference (Online mode) on "*Emerging Trends in Plant Sciences, Biodiversity Conservation and Environment Sustainability*".

Dear Madam,

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Principal, Dr. Vijaysinh S. Sawant M.Sc. Ph.D.

Ref. No. : 805 / 2022 - 23

Date : 11/11/2022

LETTER OF APPRECIATION

To,

Dr. Monica Kavale

Senior Scientist,

CSIR-Central Salt and Marine Chemicals

Research Institute (CSMCRI)

Gijubhai Badheka Marg,

Bhavnagar 364 002, Gujarat, India

Subject: Appreciation for the Talk at the International Conference (Online mode) on "*Emerging Trends in Plant Sciences, Biodiversity Conservation and Environment Sustainability*".

Dear Madam,

This letter is being written to appreciate you for your participation as a **Resource Person** at the International Conference (Online mode) on "*Emerging Trends in Plant Sciences, Biodiversity Conservation and Environment Sustainability*" (ETPSBCES-2022) that was conducted from **November 9th – 10th, 2022.**

We would like to express our gratitude to you for the talk on "**Seaweed Farming: The Potential livelihood source for Coastal Population – Perspective of Maharashtra Coast.**" and create awareness regarding the same.

We sincerely appreciate you for taking out time from your busy schedule to provide us with such valuable information.

Wishing you all the best for your future endeavors.

Yours Sincerely,



PRINCIPAL,
D. P. Bhosale College,
Koregaon.



D.P. Bhosale College, Koregaon

Tal. Koregaon, Dist.- Satara, 415 501, Maharashtra (India)

☎ (02163) 220219 Email- dpbckoregaon@gmail.com Website - www.dpbck.ac.in

Arts, Commerce, Science, BCA, B.Voc. (Sust. Agri.)

NAAC Reaccredited: 'A' Grade with CGPA 3.12

ISO 9001: 2015 Certified

Affiliated : Shivaji University, Kolhapur * Uni. Affil. No. UKF/7569/11529-y

* Jr. College Index No. J21.05.001

Principal, Dr. Vijaysinh S. Sawant M.Sc. Ph.D.

Ref. No. : 804 / 2022 - 23

Date : 03/11/2022

LETTER OF INVITATION

To,

Dr. Ritesh Kumar Choudhary

Scientist 'E'

Biodiversity & Palaeobiology Group,

Agharkar Research Institute,

G.G. Agarkar Road, Pune - 411 004

Subject: Invitation as a Resource Person at International Conference (Online mode) on "*Emerging Trends in Plant Sciences, Biodiversity Conservation and Environment Sustainability*".

Dear Sir,

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Your online participation as Resource Person will be a great honour for us.

We look forward to a positive confirmation.

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Ref. No. : 804 /2022 -23

Date : 03/11 /2022

LETTER OF INVITATION

To,

Dr. Ranjit Gurav

Ingram School of Engineering

Texas State University

601 University Dr, San Marcos,

Texas-78666, USA.

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Date : 03/11 /2022

LETTER OF INVITATION

To,

Dr. Mohd. Shahnawaz

Associate Professor,

Biofuels Institute,

School of Environment and Safety Engineering,

Jiangsu University, Zhejiang, China.

Subject: Invitation as a Resource Person at International Conference (Online mode) on "*Emerging Trends in Plant Sciences, Biodiversity Conservation and Environment Sustainability*".

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We would like to express our gratitude to you for the talk on "**Mangroves as a landmark for plastic degrading microbes**" and create awareness regarding the same.

We sincerely appreciate you for taking out time from your busy schedule to provide us with such valuable information.

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Yours Sincerely,



PRINCIPAL,
D. P. Bhosale College,
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Rayat Shikshan Sanstha's

D. P. Bhosale College Koregaon

Department of Botany

**Two Days Online International Conference on
"EMERGING TRENDS IN PLANT SCIENCES, BIODIVERSITY CONSERVATION
AND ENVIRONMENT SUSTAINABILITY"**

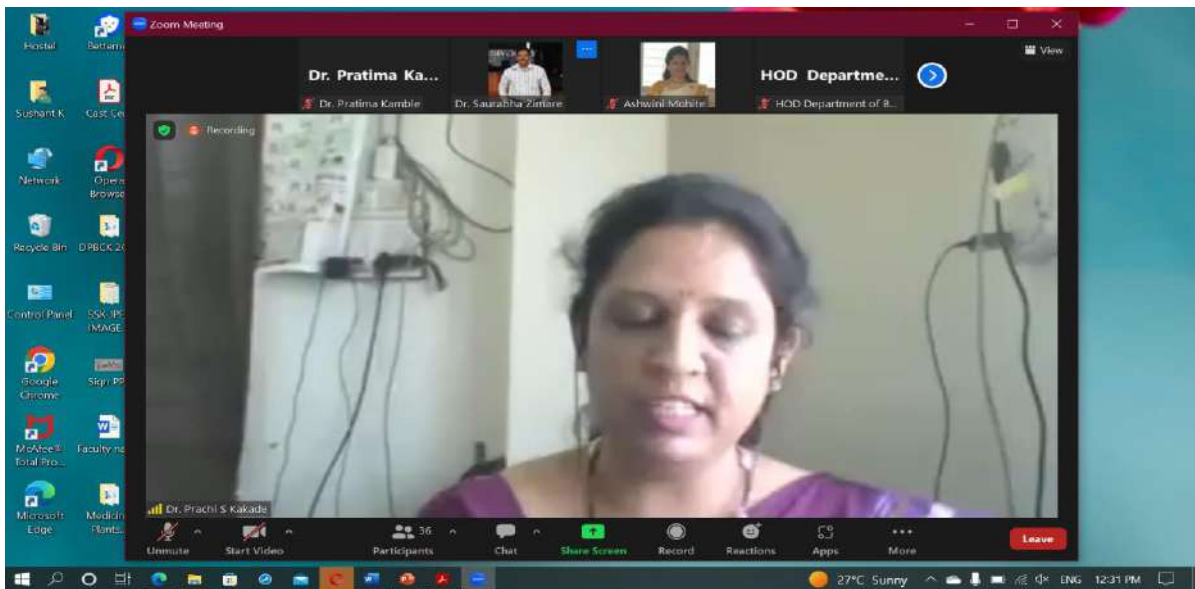
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Department of Botany

Two Days Online International Conference on
"EMERGING TRENDS IN PLANT SCIENCES, BIODIVERSITY CONSERVATION
AND ENVIRONMENT SUSTAINABILITY"

Day - 1 Session: I

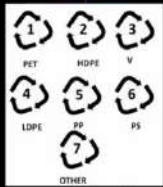


Zoom Meeting | You are viewing Dr Mohd Shahnawaz's screen | View Options

Participants: Dr. Pratima Ka..., Suhas Vyas

Types of Plastic

Macroplastic



Microplastic

Primary Microplastic Secondary microplastic

- Based on processes used for the polyethylene manufacturing, it is generally classified into two main categories, i.e., high-pressure manufacturing process and low-pressure manufacturing process.
- High-pressure manufacturing process leads to the generation of conventional low-density polyethylene (LDPE), whereas low-pressure manufacturing process results in the production of high-density polythene (HDPE) and linear low-density polythene (LLDPE) (Lepoutre 2010).

The polythene patented by Bassett and Gibson in 1933 at ICI, UK is now

Unmute | Start Video | Security | Participants (56) | Chat | Share Screen | Reactions | Apps | More | Leave

28°C Sunny | ENG | 12:42 PM

Recording | You are viewing Dr Mohd Shahnawaz's screen | View Options

Discovery of plastic (polythene) production process

Plastic (polythene) Synthesis, discovered two ways

- German-based chemist, Hans Pechmann

Diazomethane $\xrightarrow{\text{heating}}$ white plastic

Later Eugen Bamberger and Friedrich Tschirner (coworkers of Hans Pechman)

Participants: Dr. Pratima Ka..., Dr. Mohd Shahnawaz, Dr. Prachi S Kakade, Dr. Saurabha Zimare, HOD Department of Botany, Vinaya Sugumar

Unmute | Start Video | Participants (55) | Chat | Share Screen | Record | Show Captions | Reactions | Apps | Leave

Zoom Meeting | You are viewing Dr Mohd Shahnawaz's screen | View Options

Impact of plastic waste on marine biota

- Effect of plastic waste on marine animals, plants, coral reefs etc.

One million deaths per year (Rutkowska *et al.*, 2002; Shah *et al.*, 2008, Shahnawaz *et al.*, 2022).

It could cause intestinal blockage in the fishes, birds and marine mammals (Spear *et al.*, 1995; Denuncio *et al.*, 2011, Shahnawaz *et al.*, 2022).

Mohd. Shahnawaz
Manisha K. Sangale
Zhu Daodien
Avinash B. Ade. Editors

Impact of Plastic Waste on the Marine Biota

Springer

Participants: Dr. Pratima Ka..., Suhas Vyas

Waiting Room (2) | Message | Admit All

Joined (59)

Meeting Chat

Unmute | Start Video | Participants (59) | Chat | Share Screen | Record | Show Captions | Reactions | Apps | Leave

28°C Sunny | ENG | 12:45 PM


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Department of Botany

Two Days Online International Conference on
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AND ENVIRONMENT SUSTAINABILITY"

Day - 1 Session: II

Recording

Omega Taxonomy vis-à-vis Phytodiversity Documentation



Emerging Trends in Plant Sciences, Biodiversity Conservation and Environment Sustain
(9-10 Nov 2021)

Ritesh Kumar Choudhary, Ph.D.
Scientist-E, Biodiversity & Palaeobiology Group
AGHARKAR RESEARCH INSTITUTE, PUNE
India-411004

Dr. Prachi S Kakade
HOD Department of Botany
Dr. Ritesh Kumar Choudhary


Recording LIVE YouTube

You are viewing Dr. Ritesh Kumar Choudhary's screen

Meeting is now streaming live on YouTube

Enigma of Convergent Evolution

- development of similar characteristics in distantly related organisms - due to sharing similar ecological roles shaping analogous adaptations.




Astrophytum asterias Euphorbia obesa


Dr. Pratima Kamble
Dr. Ritesh Kumar Choudhary
HOD Department of Botany

Unmute Start Video Participants Chat Share Screen Record Show Captions Reactions Apps Leave


Recording **LIVE** YouTube

Capparis L.






| Country | Accessions |
|-------------|------------|
| India | 2876 |
| Malaysia | 100 |
| Thailand | 100 |
| Indonesia | 100 |
| Philippines | 100 |
| Myanmar | 100 |
| Sri Lanka | 100 |
| Burma | 100 |
| Sumatra | 100 |
| Borneo | 100 |
| Java | 100 |
| Sulawesi | 100 |
| Moluccas | 100 |
| Maluku | 100 |
| Nias | 100 |
| Sumatra | 100 |
| Borneo | 100 |
| Java | 100 |
| Sulawesi | 100 |
| Moluccas | 100 |
| Maluku | 100 |
| Nias | 100 |



Dr Satish

Dr. Pratima Ka...


Dr. Pratima Kamble



Dr. Ritesh Kumar Choudhary


HOD Departme...

HOD Department of Botany

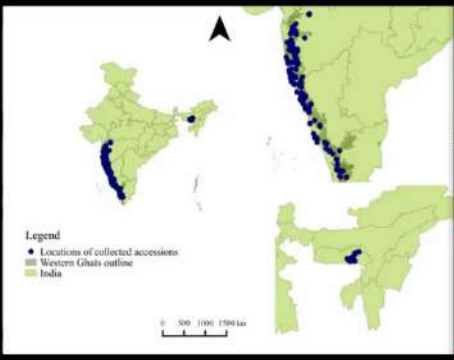


Recording... **LIVE** YouTube

You are viewing Dr. Ritesh Kumar Choudhary's screen



Diversity in Heads of Indian Eriosemae




Legend
 • Locations of collected accessions
 ■ Western Ghats outline
 ■ India


0 500 1000 1500 km

HOD Departme...

HOD Department of Botany




Dr. Ritesh Kumar Choudhary



Dr. Sandeep Rai

Neeta Hingane

Neeta Hingane



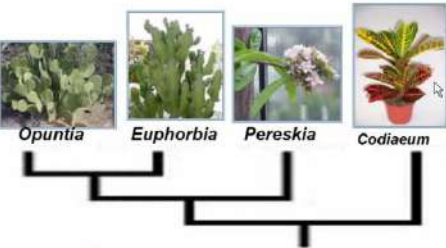
Vinaya Sugumar

>550 accessions; >60 spp.

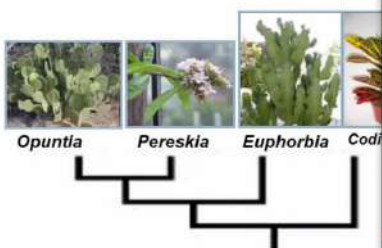
Unmute Start Video Security Participants Chat Share Screen Pin/Stop Recording Show Captions Reactions Apps Whiteboards More End

Recording... **LIVE** YouTube

Phenetics versus Cladistics



Phenogram




Cladogram


Image: Google

HOD Departme...

HOD Department of Botany




Dr. Ritesh Kumar Choudhary



Dr. Sandeep Rai

Neeta Hingane

Neeta Hingane



Vinaya Sugumar

Two Days Online International Conference on
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AND ENVIRONMENT SUSTAINABILITY"

Day - 1 Session: III

Recording LIVE WhatsApp

Seaweed food preparations



Shushi



Seaweed shaker
Potato fries



Salad



Soup

Seaweed Phycocolloids



Cheeses, Milk Shakes, Custards,
Puddings, Ice Cream, Yogurt,
Chocolate Milk, Evaporated Milk,
Mayonnaise



Air Fresheners,
Explosives, Textiles,
Film, Shoes, Paints



Ointments, Capsule, Tablet, Coatings,
Stiffening agent, Ulcer Medicine, Lotions,
Cosmetics, Skin Makeup, Toothpaste,
Laxatives, Shaving Soaps



Fine

- Pigments
- Ammonia
- Alkaloids
- Antioxidants
- Anticancer
- Flavonoids
- PUFAs
- Saponins
- Sulfolipids
- Polyphenols
- Active ingredients
- Minerals

HOD Department of Botany

Mahesh Borde

Dr. Prachi S Kakade

Dr. Prachi S Kakade

Souhagika Zambre

Recording LIVE YouTube



Dr. Pratima Ka...

Dr. Pratima Kamble

HOD Departme...

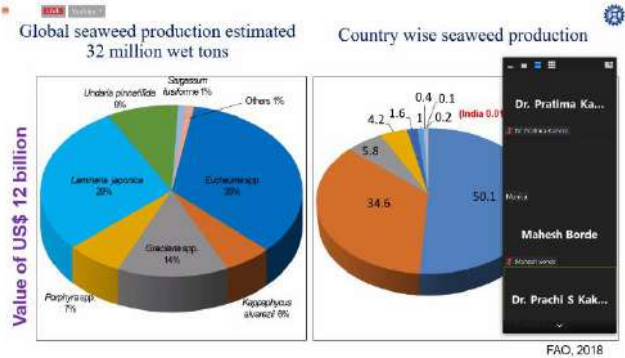
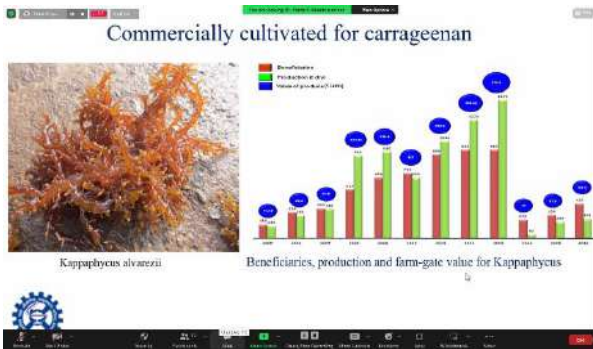
HOD Department of Botany

Dr. Prachi S Kak...

Dr. Prachi S Kakade

Kumod Gurav

Mahesh Borde



Cultivation methods employed in India

Tamil Nadu



Tubular net seeding



West coast of India



Recording LIVE YouTube

Dr. Pratima Ka...

Dr. Pratima Kamble

Mahesh Borde

Dr. Vinayak

Dr. Vinayak

Dr. Sagar Datir,...

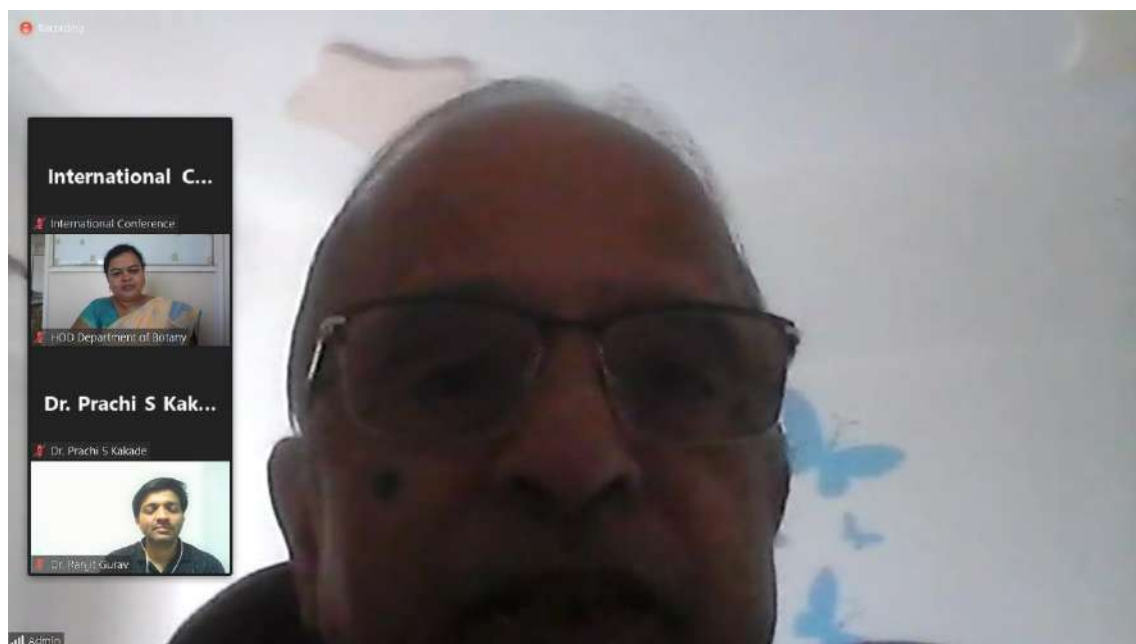
Dr. Sagar Datir, NGCPR

Unmute Start Video Participants 46 Chat Share Screen Record Show Captions Reactions Apps Leave

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Department of Botany

**Two Days Online International Conference on
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AND ENVIRONMENT SUSTAINABILITY"**

Day - 1 Session: III



Recording

You are viewing Dr. Ranjit Garav's screen

View Options

(A) Global energy consumption by fuel type
(576 quadrillion Btu, 2015)

| Fuel Type | Percentage |
|-------------|------------|
| Liquids | 33% |
| Coal | 28% |
| Natural gas | 22% |
| Renewables | 12% |
| Nuclear | 5% |
| Oil | 5% |

(B) Global energy delivered by sector
(433 quadrillion Btu, 2015)

| Sector | Percentage |
|----------------|------------|
| Industrial | 54.9% |
| Transportation | 25.5% |
| Residential | 12.6% |
| Commercial | 7.0% |

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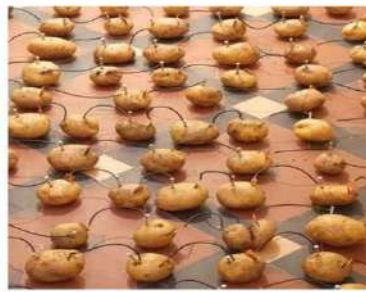
ENERGY

International C...
International Conference
Dr. Ranjit Garav
Admin
Admin
Dr. Prachi S Kak...
Dr. Prachi S Kakode


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Recording

Fruit Battery

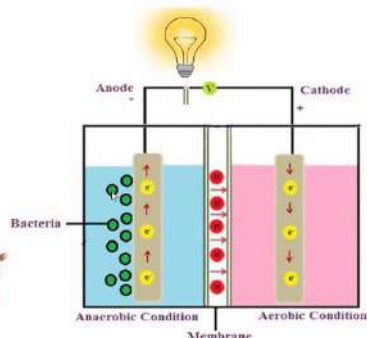
Copper and Zinc electrode reactions in the apple:

Not Sustainable → 

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Dr. Prachi S Kak...
Dr. Prachi S Kakode

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Dr. Prachi S Kak...
Dr. Prachi S Kakode



Microbial Fuel cell

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Dr. Prachi S Kakode

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International C...
International Conference

Dr. Itanji Surav

Admin

Dr. Prachi S Kak...

Dr. Prachi S Kakade

PLANT-Microbes based Fuel cells

CO₂

H₂O O₂ e⁻

Cathode

H⁺ CO₂ H⁺

Anode

Rhizosphere

Recording

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International Conference

Dr. Itanji Surav

Admin

Dr. Prachi S Kak...

Dr. Prachi S Kakade

MFC vs P-MFC

Electricity

Aerobic Zone

Electricity

Cathode

O₂ H⁺ e⁻

Organics CO₂ I⁻ H⁺

Microbes Anode

Microbial fuel cell

Anaerobic zone

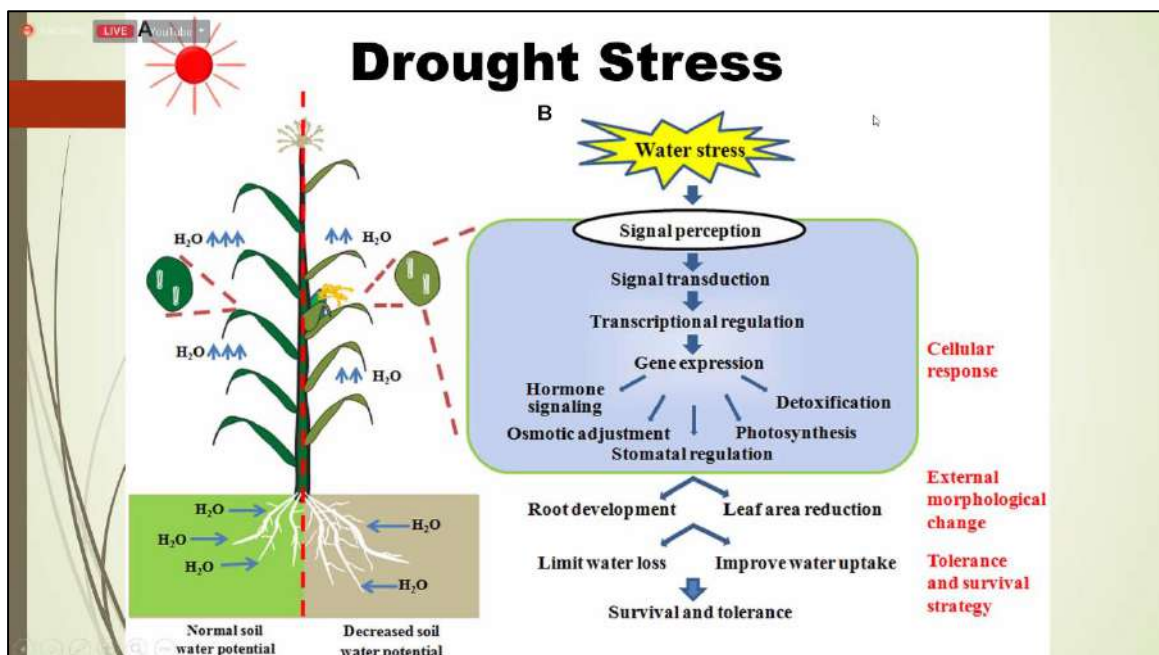
Constructed Wetland - Microbial Fuel Cell

MFC

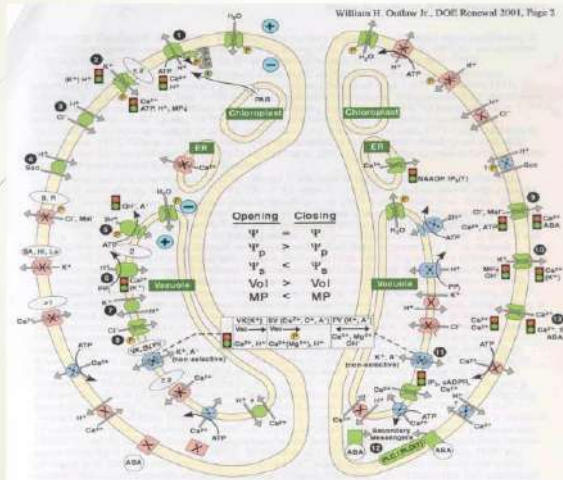
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Day - 2 Session: V

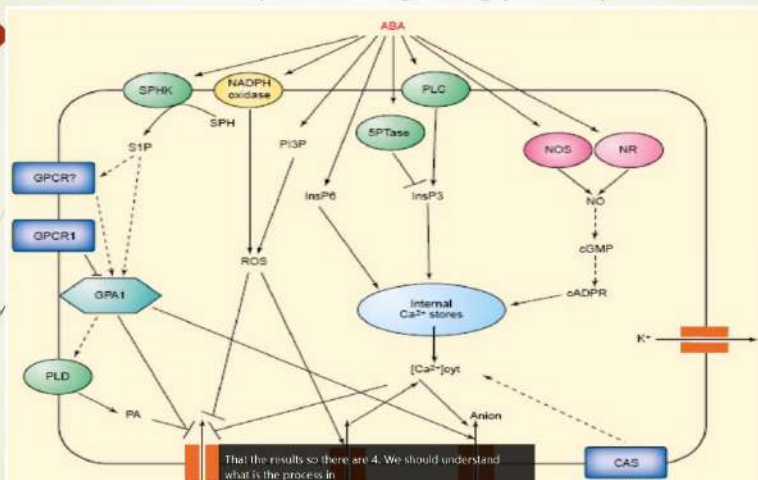


Guard cell membrane-transport services



RT-PCR verification of CPK8 expression and in response to drought stress

ABA dependent signaling pathways



That the results so there are 4. We should understand what is the process in


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Day - 2 Session: VI

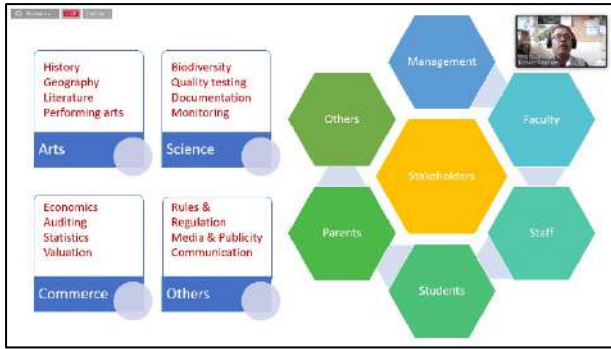


Concept of Green Audit ..



- ❑ Think GLOBALLY act LOCAL)
- ❑ Biodiversity: Past Present & Future
- ❑ Nature friendly lifestyle, environment development, equitable sharing of benefits
- ❑ Sustainable development
- ❑ Wise use of natural resources & treatment to the wastes
- ❑ Quality of institutes & value addition
- ❑ Plan – Do – Check – Act (PDCA)
- ❑ Plant – People – Planet (PPP)
- ❑ Environmental Awareness





TREES

मड वर्गीय
निम्न वर्गीय
अर्द्धवर्गीय
पत्रम वर्गीय
पट्टम
ब्रह्म
सरस
शिरीष
आपटा
कडुनिंब
सावूज
रिड

SHRUBS

अडुकरा
चिन्नक
निरगुडी
कारवी
कटोपला

HERBS

देवदंड
सदाफुली
रुक्स
काटेकोराटी
सर्पगंध
कोरफड

CLIMBERS

सागरमोटा
गुंज
अलावरी
कावळी
पळस वेल

FACT CHECK

30 True species for our institutions

International C...

Mahesh Borde

Dr. Prachi S Kak...

Recording LIVE YouTube

Thank you much ..

- ❑ Authorities of Rayat Shikshan Sanstha and D.P. Bhosale College of Science, Koregaon (Satara)
- ❑ Organizing team of Department of Botany
- ❑ Chairperson of the session
- ❑ Participants & Students

International C...

International Conference

Mahesh Shindikar

Mahesh Borde

Dr. Prachi S Kak...

Dr. Prachi S Kakade

Rayat Shikshan Sanstha's
D. P. Bhosale College Koregaon
 Department of Botany

**Two Days Online International Conference on
 "EMERGING TRENDS IN PLANT SCIENCES, BIODIVERSITY CONSERVATION
 AND ENVIRONMENT SUSTAINABILITY"**

Presentations

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INTRODUCTION




Fig 2. Single Flower



Fig 3. Seeds

- *Pinda concanensis* (Dalzell & Soper) K. Mukharjee & L. Constance
- **Family :** Apiaceae
- **Common name :** Pand, K. pinda.
- **Status:** Endemic and Rare
- **Roots :** The plant have tuberous roots, which are eaten raw by local folklore.
- **Seeds :** This plant is heavily exploited for its medicinal values, especially for the essential oil which is extracted from its seed. The oil of *Pinda* shows good antimicrobial potential. (Shimple *et al.*, 2017)

Dr.N.M. Ghangaonkar

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International C... Dr.Vinayak Kalpana Manoh...

Dr.N.M. Ghangaonkar International Confere... Dr.Vinayak Kalpana Manoharan

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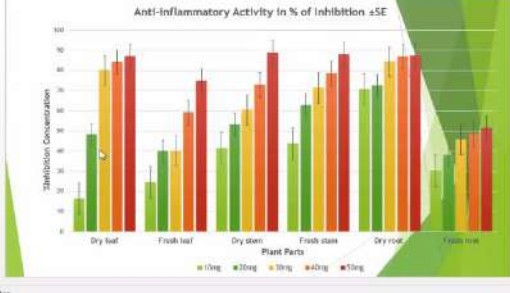
New Microsoft PowerPoint Presentation - Your Plant Product Antibiotic Value!

File Home Insert Design Transitions Animations Slide Show Review View

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Slide 10: Anti-Inflammatory Activity in % of Inhibition \pm SE



| Plant Parts | 10mg | 20mg | 30mg | 40mg | 50mg |
|-------------|------|------|------|------|------|
| Dry leaf | ~75 | ~85 | ~90 | ~95 | ~100 |
| Fresh leaf | ~65 | ~75 | ~80 | ~85 | ~90 |
| Dry stem | ~55 | ~65 | ~70 | ~75 | ~80 |
| Fresh stem | ~45 | ~55 | ~60 | ~65 | ~70 |
| Dry root | ~35 | ~45 | ~50 | ~55 | ~60 |
| Fresh root | ~25 | ~35 | ~40 | ~45 | ~50 |

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Participants (21)

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- Dr.Vinayak
- Dr. Sanat Dattin NCCPR

Meeting Chat

Me to Everyone

Next Presenter 0-16

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Participants: Dr.N.M. Ghangaonkar, International Conference..., kornal walvekar, Yogesh Kshirsagar

“Genomic and Metabolomic Analyses of a Rare Fungus: *Itajahya rosea*”

Mr. YOGESH EKNATH KSHIRSAGAR

Guide
Dr. M. Y. Borde
Assistant Professor
Department of Botany
Savitribai Phule Pune University
November 2022

Participants (23)

Meeting Chat

Next Presenter is O - 16

Me to Everyone

Next Presenter is O - 18 M. S. Desai, A. A. Jagtap

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Participants: Dr.N.M. Ghangaonkar, International Conference..., Usmangani Atiar, Pralish Kambale

Orchid Mycorrhizae of *Habenaria longicorniculata* J. Graham from Kolhapur District (MS) India.



DR. ANJALI PATIL AND DR. SUNITA PATIL
GOVERNMENT OF MAHARASHTRA
DEPARTMENT OF BOTANY RAJARAM COLLEGE,
KOLHAPUR - 416004 (MS.)

International Conference on “Emerging Trends in Plant Sciences, Biodiversity”

Participants (27)

Meeting Chat

Hurry up

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Next no. O- 22, O-24, O-25

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Participants: Dr.N.M. Ghangaonkar, International Conference..., Nitin Londhe, Usmangani Atiar

Preparation and Evaluation of Polyherbal Hair Oil: Remedy For Alopecia

Nitin Londhe, Ph.D. (Pharm)

Department of Chemistry, JPM's Jayawant Sanwar College of Pharmacy and Research, Pune-412207, Maharashtra, India
Department of Pharmaceutics, San. Kashidai Navale College of Pharmacy, Kolhapur, Pune-411049, Maharashtra, India

INTRODUCTION:
Hair is an epidermal derivative which is one of the vital parts increasing the overall elegance of the body. Hair fall, dandruff, thin, split ends, grey hair are few problems involved with hair faced by human. The objective of present study involves preparation of polyherbal hair oil containing herbs like Hibiscus, Lemongrass, Curry leaves, Methani seeds and its evaluation for increase in hair growth activity. All these herbs have well known traditional potential in the treatment of hair care.

MATERIALS & METHODS:
Collection of Plant Materials: The polyherbal hair oil was prepared (1:1) by following various plant materials (ie. Hibiscus, Lemongrass, Curry leaves, Methani seeds) from local garden and which were procured from local market (Table 1).

The chemical parts of Hibiscus, Lemongrass, Curry leaves, Methani seeds, leaves of Methani seeds, bark of Betula nigra, Oil of Clove, Neroli were procured from local market (Table 1).

TABLE 1: LABORATORY OF FEDERAL: BLEND OIL

| Sl. No. | Plant/Herb | Quantity (g) | Part |
|---------|--------------|--------------|--------|
| 1 | Hibiscus | 100 | Leaves |
| 2 | Lemongrass | 100 | Leaves |
| 3 | Curry leaf | 100 | Leaves |
| 4 | Methani seed | 100 | Seeds |
| 5 | Oil of Clove | 100 | Oil |
| 6 | Neroli | 100 | Oil |
| 7 | Betula nigra | 100 | Bark |
| 8 | Oil of Clove | 100 | Oil |
| 9 | Neroli | 100 | Oil |
| 10 | Betula nigra | 100 | Bark |
| 11 | Oil of Clove | 100 | Oil |
| 12 | Neroli | 100 | Oil |
| 13 | Betula nigra | 100 | Bark |
| 14 | Oil of Clove | 100 | Oil |
| 15 | Neroli | 100 | Oil |
| 16 | Betula nigra | 100 | Bark |
| 17 | Oil of Clove | 100 | Oil |
| 18 | Neroli | 100 | Oil |
| 19 | Betula nigra | 100 | Bark |
| 20 | Oil of Clove | 100 | Oil |
| 21 | Neroli | 100 | Oil |
| 22 | Betula nigra | 100 | Bark |
| 23 | Oil of Clove | 100 | Oil |
| 24 | Neroli | 100 | Oil |
| 25 | Betula nigra | 100 | Bark |
| 26 | Oil of Clove | 100 | Oil |
| 27 | Neroli | 100 | Oil |
| 28 | Betula nigra | 100 | Bark |
| 29 | Oil of Clove | 100 | Oil |
| 30 | Neroli | 100 | Oil |
| 31 | Betula nigra | 100 | Bark |
| 32 | Oil of Clove | 100 | Oil |
| 33 | Neroli | 100 | Oil |
| 34 | Betula nigra | 100 | Bark |
| 35 | Oil of Clove | 100 | Oil |
| 36 | Neroli | 100 | Oil |
| 37 | Betula nigra | 100 | Bark |
| 38 | Oil of Clove | 100 | Oil |
| 39 | Neroli | 100 | Oil |
| 40 | Betula nigra | 100 | Bark |
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| 42 | Neroli | 100 | Oil |
| 43 | Betula nigra | 100 | Bark |
| 44 | Oil of Clove | 100 | Oil |
| 45 | Neroli | 100 | Oil |
| 46 | Betula nigra | 100 | Bark |
| 47 | Oil of Clove | 100 | Oil |
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| 56 | Oil of Clove | 100 | Oil |
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| 89 | Oil of Clove | 100 | Oil |
| 90 | Neroli | 100 | Oil |
| 91 | Betula nigra | 100 | Bark |
| 92 | Oil of Clove | 100 | Oil |
| 93 | Neroli | 100 | Oil |
| 94 | Betula nigra | 100 | Bark |
| 95 | Oil of Clove | 100 | Oil |
| 96 | Neroli | 100 | Oil |
| 97 | Betula nigra | 100 | Bark |
| 98 | Oil of Clove | 100 | Oil |
| 99 | Neroli | 100 | Oil |
| 100 | Betula nigra | 100 | Bark |

RESULTS & DISCUSSION:

The prepared polyherbal hair oil was evaluated for its efficacy in the treatment of alopecia. The results showed that the polyherbal hair oil significantly increased the hair growth activity compared to the control group. The polyherbal hair oil was found to be effective in the treatment of alopecia.

Participants (21)

Meeting Chat

Usmangani Atiar to Everyone

thank you Dr. Sagar

Me to Everyone

Next: O-26, O-27, O, 28

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THANK YOU

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- Dr. U ELAYA PERUMAL
- Dr.Vinayak
- Dr. Swaroopa A Patil

Meeting Chat

NEX | U-55

THEN O-1

THEN O-35 KHUSHBOO MITTAL

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4:28

SECONDARY METABOLITE PROFILE OF THREATENED DASHMOOLA SPECIES STEREOSPERMUM SUAVEOLENS (Roxb.) Dc.

MAMATA ASHOK JAGTAP AND SWAROOPA PATIL

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Dr.N.M. Ghanga... International C... Dr.Vinayak

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Mr. Vishal Yadav (SMS, Horti...)

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- Mr. Vishal Yadav (SMS, Horti...)
- Dr.Vinayak
- Dr. Swaroopa A Patil
- 19-173 Vaibhav B. Shelar

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NEX | U-55

THEN O-1

THEN O-35 KHUSHBOO MITTAL

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Oral Presentation on
Eco-friendly Edible Coating for Fresh Horticultural Produce: A review
 Presented by:
 Mr. Vishal B. Yadav, ICAR-Kishu Vigyan Kendra, Nagaoon-Thane, 421401. Affiliated with Maharashtra Animal and Fishery Sciences University (MS).
 Mr. Ajay S. Kudale, D. P. Bhosale College, Koregaon- Satara, 415501. Affiliated with Shivaji University, Kolhapur (MS).
 and Mr. Yogesh A. Sargat, Bhanu Vidyanpeeth College of Horticulture, Kaldanem, 415505. Affiliated with Mahatma Phule Krishi Vidyanpeeth, Rahat (MS).
 Presented at:
International Conference on "Emerging Trends in Plant Sciences, Biodiversity Conservation And Environment Sustainability"
 Organized By
Department of Botany in Association With IQAC, D. P. Bhosale College, Koregaon

Rayat Shikshan Sanstha's
D. P. Bhosale College Koregaon
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**Two Days Online International Conference on
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Certificate

This is to certify that, **Dr. Swapnaja Mukund Deshpande** of **D. P. Bhosale College, Koregaon** has presented poster titled **Preliminary floristic diversity of D. P. Bhosale College Campus, Koregaon, Dist. – Satara (MS) INDIA** in International Conference on “Emerging Trends on Plant Sciences, Biodiversity Conservation and Environment Sustainability (ETPSBCES-2022)” dated 9th to 10th November, 2022 jointly organized by **Department of Botany and IQAC**, D. P. Bhosale College, Koregaon, District- Satara, Maharashtra, India.



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