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President, Rayat Shikshan Sanstha, Satara
Hon'ble Dr. Vishwajeet Patangrao Kadam
Chairman, CDC, D. P. Bhosale College, Koregaon

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Secretary, Rayat Shikshan Sanstha, Satara
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Joint- Secretary, Rayat Shikshan Sanstha, Satara

Advisory Board

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Dr. P. M. Gurav, Head, Dept. of Microbiology, Shivaji University Kolhapur
Dr. Mrs. V. R. Chavan, Prin. Shri VijaysinhaYadav College, PethVadgaon, Kolhapur
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Prof. Dr. Mrs. S. A. Bhoite, Vice Prin. & Head Dept. of Zoology, YCIS, Satara
Prof. Dr. S. M. Pawar, Head, Dept. of Zoology, LBS College, Satara
Prof. Dr. S. B. More, Head, Dept. of Zoology, P. V. P. Mahavidyalaya Kavathe Mahankal Dist. Sangali
Mr. V. S. Ranbhare, Head Dept. of Zoology, SGM College, Karad
Dr. V. M. Ghorpade, Dean, PG Studies, Dept. of Microbiology, YCIS, Satara
Mrs. N. S. Joshi, Head Dept. of Microbiology, YCIS, Satara
Dr. V. S. Patil, Head, Dept. of Microbiology, LBS College, Satara
Mr. S. B. Patil, Head Dept. of Microbiology, SGM College, Karad
Dr. M. J. Lubal, Head Dept. of Zoology, Dahiwadi College, Dahiwadi
Dr. K. A. Gajare, Head, Dept. of Zoology, New College, Kolhapur
Mr. A. B. Mane, Head, Dept. Zoology, Dr. Patangrao Kadam Mahavidyalaya, Ramandnagar (Burl)l
Dr. R. H. Atigre, Head, Dept. of Zoology, Shri VijaysinhaYadav College, PethVadgaon, Kolhapur
Mr. R. J. Patil, Head Dept. of Zoology, Balwant College, Vita
Mr. B. E. Girhe, Head Dept. of Zoology, Mudhoji College, Phaltan

Organizing Committee

Prin. Dr. V. S. Sawant, Chairman
Dr. Mrs. S. P. Nalawade, Convener
Mr. C. B. Jawale, Coordinator
Miss. S. A. Kshirsagar, Organizing Secretary
Dr. B. S. Lokade, IQAC Coordinator

Members

Dr. Miss. K. J. Kamble
Miss. N. A. Shaikh
Miss. A. S. Kavthalkar
Mr. A. S. Bansode



Book-Post

To, _____

Department of Zoology & Microbiology
Organized,
National Conference on Innovative trends
in Biological Research
(One Day Hybrid Mode)
9th November, 2022



From
Principal
D.P. Bhosale College, Koregaon
Dist.Satara (415501), Maharashtra
Ph. (02163) 220219
E-mail:dpbckoregaon@gmail.com
Website:www.dpbck.ac.in

"Education through Self-help is our Motto"- KARMAVEER



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D. P. Bhosale College, Koregaon



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NAAC Re-accredited: - 'A' with CGPA 3.12
ISO 9001 : 2015 Certified

National Conference on Innovative trends
in Biological Research
(One Day Hybrid Mode)

9th November, 2022



Prin. Dr. V.S. Sawant
D. P. Bhosale College, Koregaon
(Affiliated to Shivaji University, Kolhapur, MS)

About Sanstha

The Rayat Shikshan Sanstha is one of the leading educational institutions in Asia. The value of its contribution to education in general is enormously great as it has, from the very beginning, tried all its best to lay emphasis on the education of the down-trodden, the poor and the ignorant who really form the major bulk of society. Padmabhushan late Dr. Karamaveer Bhaurao Patil, was a man of the masses who devoted all his mind and heart to the cause of their education. He founded the Rayat Shikshan Sanstha in 1919 at the village Kale in Satara district. The motto "Education through self-help" speaks for its emphasis upon the dignity of labour and its social orientation.

At present the sanstha is working with network of 772 branches spreading over 15 districts of Maharashtra & 1 District of Karnataka including Colleges, ITI's, High Schools, Primary Schools, Pre-Primary Schools, Hostels, Ashramshalas & Others. Sanstha operates through 8 administrative offices and has a strong workforce to cater the educational needs of 4.6 lakhs students.

About College

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, UG & PG in Arts, Commerce, Science & Professional as well as skill based courses in B.C.A. and B. Voc. in Sustainable Agriculture streams. Apart from the regular courses, this college also provides facility of distance education of Shivaji University, Kolhapur & YCMOU, Nasik.

The unique feature of the college has been to cater to students hailing from rural and economically backward strata of society, some of them even are the first-generation learners. Consistent efforts are made to provide excellent education to such students so as to bring about remarkable change in their academic performance. At present, 3705 students are studying in the Junior Section and Senior College with 14 under-graduate and 07 post-graduate programs. The college has been 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 and published 222 research papers in national and international indexed journals of repute having good impact factor. The college has infrastructure with Academic Wing, Science Wing, Library Building, Ladies Hostel, Support Service Building, Cafeteria/Canteen, Indoor Sports Complex, and Spacious Play Ground.

The college has a glorious tradition of achieving Awards and Medals in Curricular, Co-curricular as well as Extra-curricular activities such as University Research Avishkar Competitions, Youth Festival Events, Sports, NSS and NCC Activities at University, State and National levels.

About Conference

Science and technology both are intimately and intricately intertwined with development in the world today. This Conference seeks to examine new answers from Biological Sciences and technology at the backdrop of pandemic situation. It also aims to bring together leading scientists, researchers and research scholars to exchange and share their experiences, research results about all aspects of Biological Science & Technology. It also provides a premier Interdisciplinary and Multidisciplinary Forum for researchers, industry practitioners, educators to present and discuss the most recent innovations, trends, concerns, practical challenges encountered and the solutions adopted in the field of Biological science and technology domain. The conference will provide an opportunity for renewing old acquaintances, making new contacts, networking across higher education and beyond. We invite papers from all disciplines of Biological Sciences to discuss the trends and possibilities for biological research in the near future. The Goal of this symposium is to assemble interdisciplinary community & to provide a platform to discuss perspectives for the role of theory in Biology & importantly also vice versa, the impact that biology can have on theory.

Call for abstract / Research Paper Guidelines to submit Abstract and Full length papers

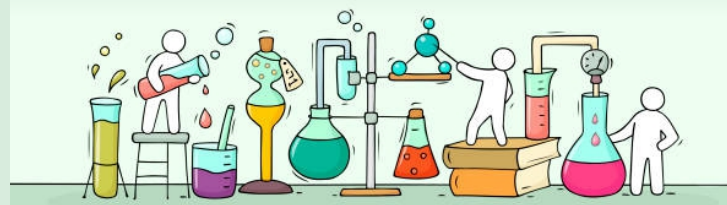
- * Abstract should include Title of the paper, Author's name, Affiliation, Address of Corresponding author with Email Id.
- * Abstract: (Maximum 300 words, in MS word format, Times New Roman, Font size 12 & 1.5 line spacing) should be sent to at nationalcitbr2022@gmail.com by Date : 7th November, 2022.
- * Submit soft copy of full length paper. (Format: A4 size in MS word, Times New Roman, Font size 12 and 1.5 line spacing) should be sent to at nationalcitbr2022@gmail.com
- * Papers will be accepted for publication only after plagiarism check & reviewed by editorial board of respective journal & the Author's have to pay publication fee of the journal.

Guidelines for Poster Presentation

- * Registration and submission of abstract is mandatory
- * Presentation should be in Power-Point format
- * Convert your e-poster in JPEG format and mail to on or before 7th November, 2022.
- * Email to submit e-posters : nationalcitbr2022@gmail.com

Guidelines for Oral Presentation

- * Registration and submission of abstract is mandatory
- * Presentation should be in Power-Point format
- * Minimum time for presentation is 8 minutes and 2 minutes for discussion



Registration Details

Link for Registration: <https://forms.gle/gs4AjiYaJPac5wZ96>

Last date of registration: 7th November, 2022

Registration Fees

Types of Participation	Offline Mode	Online Mode
Faculty	Rs. 500/-	Rs.150/-
Research Fellows/Students	Rs. 200/-	Rs.100/-
IndustryRepresentatives	Rs. 1000/-	Rs. 200/-
Paper Publication in UGC care listed Journal	Charges applicable as per UGC care listed Journal	

Bank Details for online payment

Registration fees can be deposited through Google Pay/ Phone pay/ NEFT/ RTGS/ IPS to Principal, D. P. Bhosale College, Koregaon. District: Satara, Maharashtra, India

Bank Name: **Bank Of India**
Branch Name: **Koregaon**
IFSC : **BKID0001320**
Account No. : **132020110000259**

For any queries Please Contact

Dr. S. P. Nalawade : +91 98904 11995
Mr. C. B. Jawale : +91 77096 19172
Dr. K. J. Kamble : +91 99753 81894
Miss. S. A. Kshirsagar : +91 7058577531

Themes of the Conference

- ❖ Animal Physiology
- ❖ Biodiversity
- ❖ Entomology
- ❖ Agriculture
- ❖ Aquaculture and Fisheries
- ❖ Biochemistry
- ❖ Toxicology
- ❖ Bioinformatics
- ❖ Pharmacology
- ❖ Biostatistics
- ❖ Genetics
- ❖ Biotechnology
- ❖ Immunology
- ❖ Food and Industrial Microbiology
- ❖ Virology
- ❖ Medical Microbiology
- ❖ Medical Coding
- ❖ Environmental Biology
- ❖ Cell and Molecular Biology
- ❖ Applied sciences



National Conference on Innovative Trends in Biological Science – 2022

November 9th 2022

Themes - Animal Physiology, Biodiversity, Entomology, Agriculture, Aquaculture and Fisheries, Biochemistry, Toxicology, Bioinformatics, Pharmacology, Biostatistics, Genetics, Biotechnology, Immunology, Food and Industrial Microbiology, Virology, Medical Microbiology, Environmental Biology, Cell and Molecular Biology, Applied sciences.

Science and technology both are intimately and intricately intertwined with development in the world today. This Conference seeks to examine new answers from Biological Sciences and technology at the backdrop of pandemic situation. It also aims to bring together leading scientists, researchers and research scholars to exchange and share their experiences, research results about all aspects of Biological Science & Technology. It also provides a premier Interdisciplinary and Multidisciplinary Forum for researchers, industry practitioners, educators to present and discuss the most recent innovations, trends, concerns, practical challenges encountered and the solutions adopted in the field of Biological science and technology domain. The conference will provide an opportunity for renewing old acquaintances, making new contacts, networking across higher education and beyond. We invite papers from all disciplines of Biological Sciences to discuss the trends and possibilities for biological research in the near future. The Goal of this symposium is to assemble interdisciplinary community & to provide a platform to discuss perspectives for the role of theory in Biology& importantly also vice versa, the impact that biology can have on theory.

Eminent Speakers



Prof. Dr. P.S. Patil
Pro – Vice Chancellor
Shivaji University,
Kolhapur
Key Note Address
9th Nov 2022
11.40 – 12.20 PM



Dr. Bireshwar Bera
St. Joseph's College, North
Point,
Darjeeling
Plenary Session I
9th Nov 2022
12.30 – 1.30 PM



Prof. Dr. Meghnad G. Joshi
Dr. D.Y. Patil Medical College,
Kolhapur
Plenary Session II
9th Nov 2022
1.30 – 2.30 PM



Dr. D Arvind Prasanth
Periyar University, Salem
**Plenary Session III &
Valedictory Address**
9th Nov 2022
3.00 – 4.00 PM

Organizing Team



Principal
Dr. V.S. Sawant
D.P. Bhosale College,
Koregaon



Convener
Dr. Mrs. S. P. Nalawade,
Savitanalawade03@gmail.com
+91 9890411995



Coordinator
Mr. C. B. Jawale,
chandrakantjawale2000@gmail.com
[l.com](http://www.dpbck.ac.in)
+91 7709619172

Registration Link:
<https://forms.gle/gs4AjiYaJPAc5wZ96>

e-Certificate will be provided to all participants

Participants

**Academicians, Students,
Research Scholars,
Scientists and Faculty**

Committee Members

Miss. S. A. Kshirsagar (Organizing Secretary)
Dr. Miss. K. J. Kamble, Miss. N. A. Shaikh,
Miss. A. S. Kavthalkar, Mr. A. S. Bansode



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

Department of Zoology & Microbiology

National Conference on
Innovative Trends in Biological Research
PROGRAMME

Wednesday, 9th November 2022

Time	Session	Activity
9.00 am to 10.30 am		Registration Breakfast and Tea
10.30 am to 11.00 am	Inauguration	Dr. P. S. Patil Pro- Vice Chancellor Shivaji University, Kolhapur Prin. Dr. V. S. Sawant D.P. Bhosale College, Koregaon
11.00 am to 12.30 pm	Key note address	Dr. P. S. Patil Pro- Vice Chancellor Shivaji University, Kolhapur
12.30 pm to 1.30 pm	Plenary Session I	Introduction of Chief guest – Dr. S. P. Nalawade Chief Guest – Dr. Bireshwar Bera Associate Professor, St. Joseph's College, North Point, .Darjeeling Topic - Carbohydrate Metabolism of Trematodes with special reference to <i>Isoparorchis hypselobagri</i> Chairperson – Dr. V. R. Chavan Principal, Shri Vijaysinha Yadav College, Peth Vadgaon, Dist. Kolhapur Vote of Thanks – Mr. A. S. Bansode
1.30 pm to 2.30 pm	Plenary Session II	Introduction of chief guest – Dr. K. J. Kamble Chief Guest – Prof. Dr. Meghnad G. Joshi Professor and Head, Dr. D.Y. Patil Medical College, Kolhapur Topic- Recent Advancement in Regenerative Medicine

		<p>Chairperson – Prof. Dr. A. A. Deshmukh Head, Dept. of Zoology, Shivaji University, Kolhapur</p> <p>Vote of Thanks – Miss. N. A. Shaikh</p>
2.30 pm to 3.00 pm	Lunch Break	
3.00 pm to 4.00 pm	Plenary Session III	<p>Introduction of chief guest – Miss. A. S. Kavthalkar</p> <p>Chief Guest – Dr. D Arvind Prasanth Associate Professor School of BioSciences, Periyar University, Salem</p> <p>Topic- Antimicrobial Resistance and Endophytic fungi</p> <p>Chairperson – Dr. V. M. Ghorpade Dean P. G. Studies Y.C.I.S., Satara</p> <p>Vote of Thanks – Mr. A. S. Bansode</p>
4.00 pm to 5.00 pm	Plenary Session IV	<p>Oral Presentation</p> <p>Introduction of Chairperson & Co-chairperson – Dr. K. J. Kamble</p> <p>Chairperson - Mr. A. B. Mane Head, Dept. of Zoology Dr. Patangrao Kadam Mahavidyalaya, Ramandnagar (Burli)</p> <p>Co-chairperson - Dr. J. S. Deshmane Asst. Prof., Smt. Kasturbai Walchand college, Sangali</p> <p>Vote of Thanks – Miss. N. A. Shaikh</p>
5.00 pm to 5.15 pm	Tea Break	
5.00 pm to 6.00 pm	Valedictory Function	



Dr. Mrs. S.P. Nalawade
Convener



Mr. C. B. Jawale
Coordinator



Dr. V. S. Sawant
Principal,
D.P. Bhosale College, Koregaon

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

RayatShikshan Sanstha's,

D.P. Bhosale College, Koregaon

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

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

NAAC Reaccredited: 'A' Grade with CGPA3.12 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. : 795/22-23

Date : 03/11/2022

To

Dr. Bireswar Bera

Associate Professor,

Department of Zoology,

St. Joseph's College, North Point,

Darjeeling - 734104

Subject: - Invitations as a Resource Person for National Conference 2022.

Respected Sir,

It gives us pleasure to communicate you that Department of Zoology and Microbiology of our college is organizing National Conference on the topic "**Innovative Trends in Biological Research**" on **9th November 2022**. We would like to invite you as **Resource Person** for this National Conference.

Your scholarly talk will definitely be beneficial for students, research scholars, faculty and participant delegates in the discipline of Biological Science.

Thank you,



Yours faithfully,

Principal

**D.P.Bhosale College, Koregaon,
Tal- Koregaon, Dist: Satara.**

Estd: 1968



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RayatShikshan Sanstha's,

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

Ref. No. : 820/2022-2023

Date : 09/11/2022

Letter of Appreciation

To

Dr. Bireshwar Bera

Associate Professor,

Department of Zoology,

St. Joseph's College, North Point,

Darjeeling - 734104

Respected Sir,

It is a great pleasure to express my sincere thanks to you for being the **Resource Person for Plenary Session** of National Conference on "**Innovative Trends in Biological Research**" held on **9th November 2022** organized by the Department of Zoology and Microbiology of D.P. Bhosale College, Koregaon.

Your talk was really informative and inspiring. We appreciate your time and effort in preparing for the conference, and we hope to see you again soon.

Thank you,



Yours faithfully,

Principal

**D.P. Bhosale College, Koregaon,
Tal- Koregaon, Dist: Satara.**

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

Ref. No. : 82 | 22-23

Date : 03/11/2022

To

Prin. Dr. Vijaya Ravindra Chavan

Principal,

Shri. Vijayasinha Yadav College,

Peth Vadgaon,

Kolhapur

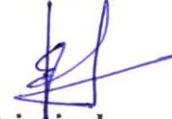
Subject: - Invitation as a Chairperson for National Conference 2022.

Respected Madam,

It gives us great pleasure to invite you as a **Chairperson** for **Plenary Session I** of National Conference on "**Innovative Trends in Biological Research**" on behalf of organizing committee. The session will be held on **Wednesday, 9th November 2022 at 12.30 pm**. As the Chairperson of the session, you will be leading and managing the event. Your leadership and expertise will be invaluable in ensuring the success of the conference. Your presence is highly appreciated and hope that you will accept our invitation.

Thank you,

Yours faithfully,



Principal

**D.P.Bhosale College, Koregaon,
Tal- Koregaon, Dist: Satara.**



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

Ref. No. : 820/22-23

Date : 09/11/2022

Letter of Appreciation

To

Prin. Dr. Vijaya Ravindra Chavan

Principal,

Shri. Vijayasinha Yadav College,

Peth Vadgaon,

Kolhapur

Respected Madam,

It is a great pleasure to express my sincere thanks to you for being the **Chairperson** for **Plenary Session** of National Conference on "**Innovative Trends in Biological Research**" held on **9th November 2022** organized by the Department of Zoology and Microbiology of D.P. Bhosale College, Koregaon.

Thank you very much for sharing your valuable time and we hope to see you again.

Thank you,

Yours faithfully,



Principal

**D.P.Bhosale College, Koregaon,
Tal- Koregaon, Dist: Satara.**



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

Ref. No. : 796/22-23

Date : 03/11/2022

To

Prof. Dr. Meghnad G. Joshi

Professor and Head,

Department of Stem Cells & Regenerative Medicine,

Dr. D.Y. Patil Medical College,

Kadamwadi, Kolhapur - 416003

Subject: - Invitations as a Resource Person for National Conference 2022.

Respected Sir,

It gives us pleasure to communicate you that Department of Zoology and Microbiology of our college is organizing National Conference on the topic "**Innovative Trends in Biological Research**" on **9th November 2022**. We would like to invite you as **Resource Person** for this National Conference.

Your scholarly talk will definitely be beneficial for students, research scholars, faculty and participant delegates in the discipline of Biological Science.

Thank you,



Yours faithfully,

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Estd: 1968

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

Ref. No. : 820/2022-2023

Date : 09/11/2022

Letter of Appreciation

To

Prof. Dr. Meghnad G. Joshi

Professor and Head,

Department of Stem Cells & Regenerative Medicine,

Dr. D.Y. Patil Medical College,

Kadamwadi, Kolhapur - 416003

Respected Sir,

It is a great pleasure to express my sincere thanks to you for being the **Resource Person** for **Plenary Session** of National Conference on "**Innovative Trends in Biological Research**" held on **9th November 2022** organized by the Department of Zoology and Microbiology of D.P. Bhosale College, Koregaon.

Your talk was really informative and inspiring. We appreciate your time and effort in preparing for the conference, and we hope to see you again soon.

Thank you,



Yours faithfully,

Principal

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

Ref. No. : 817 | 22-23

Date : 03/11/2022

To

Dr. A. A. Deshmukh

Professor & Head,

Department of Zoology,

Shivaji University,

Kolhapur

Subject: - Invitation as a Chairperson for National Conference 2022.

Respected Sir,

It gives us great pleasure to invite you as a **Chairperson** for **Plenary Session II** of National Conference on "**Innovative Trends in Biological Research**" on behalf of organizing committee. The session will be held on **Wednesday, 9th November 2022** at **1.30 pm**. As the Chairperson of the session, you will be leading and managing the event. Your leadership and expertise will be invaluable in ensuring the success of the conference. Your presence is highly appreciated and hope that you will accept our invitation.

Thank you,

Yours faithfully,



Principal

**D.P.Bhosale College, Koregaon,
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Principal, Dr. Vijaysinh S. Sawant M.Sc. Ph.D.

Ref. No. : 820/22-23

Date : 09/11/2022

Letter of Appreciation

To

Dr. A. A. Deshmukh

Professor & Head,

Department of Zoology,

Shivaji University,

Kolhapur

Respected Sir,

It is a great pleasure to express my sincere thanks to you for being the **Chairperson** for **Plenary Session** of National Conference on "**Innovative Trends in Biological Research**" held on **9th November 2022** organized by the Department of Zoology and Microbiology of D.P. Bhosale College, Koregaon.

Thank you very much for sharing your valuable time and we hope to see you again.

Thank you,

Yours faithfully,



Principal

**D.P. Bhosale College, Koregaon,
Tal- Koregaon, Dist: Satara.**



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

RayatShikshan Sanstha's,

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 CGPA3.12 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. : 796 | 22-23

Date : 03/11/2022

To

Dr. D Arvind Prasanth

Associate Professor,

Department of Microbiology,

Periyar University,

Salem, Tamilnadu -636011

Subject: - Invitations as a Resource Person for National Conference 2022.

Respected Sir,

It gives us pleasure to communicate you that Department of Zoology and Microbiology of our college is organizing National Conference on the topic "**Innovative Trends in Biological Research**" on **9th November 2022**. We would like to invite you as **Resource Person** for this National Conference.

Your scholarly talk will definitely be beneficial for students, research scholars, faculty and participant delegates in the discipline of Biological Science.

Thank you,



Yours faithfully,

Principal

**D.P.Bhosale College, Koregaon,
Tal- Koregaon, Dist: Satara.**

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Estd: 1968

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

Ref. No. : 820/2022-2023

Date : 09/11/2022

Letter of Appreciation

To

Dr. D Arvind Prasanth

Associate Professor,

Department of Microbiology,

Periyar University,

Salem, Tamilnadu -636011

Respected Sir,

It is a great pleasure to express my sincere thanks to you for being the **Resource Person** for **Plenary Session** of National Conference on "**Innovative Trends in Biological Research**" held on **9th November 2022** organized by the Department of Zoology and Microbiology of D.P. Bhosale College, Koregaon.

Your talk was really informative and inspiring. We appreciate your time and effort in preparing for the conference, and we hope to see you again soon.

Thank you,



Yours faithfully,

Principal

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

Ref. No. : 816/22-23

Date : 03/11/2022

To

Dr. V. M. Ghorpade

Associate Professor,

Department of Microbiology,

Y.C. Institute of Science, (Autonomous)

Satara -415001

Subject: - Invitation as a Chairperson for National Conference 2022.

Respected Sir,

It gives us great pleasure to invite you as a **Chairperson** for **Plenary Session III** of National Conference on "**Innovative Trends in Biological Research**" on behalf of organizing committee. The session will be held on **Wednesday, 9th November 2022** at **3.00 pm**. As the Chairperson of the session, you will be leading and managing the event. Your leadership and expertise will be invaluable in ensuring the success of the conference. Your presence is highly appreciated and hope that you will accept our invitation.

Thank you,

Yours faithfully,

Principal

**D.P.Bhosale College, Koregaon,
Tal- Koregaon, Dist: Satara.**



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Estd: 1968

RayatShikshan Sanstha's,



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

Ref. No. : 820/2022-2023

Date : 09/11/2022

Letter of Appreciation

To

Dr. V. M. Ghorpade

Associate Professor,

Department of Microbiology,

Y.C. Institute of Science, (Autonomous)

Satara - 415001

Respected Sir,

It is a great pleasure to express my sincere thanks to you for being the **Chairperson** for **Plenary Session** of National Conference on "**Innovative Trends in Biological Research**" held on **9th November 2022** organized by the Department of Zoology and Microbiology of D.P. Bhosale College, Koregaon.

Thank you very much for sharing your valuable time and we hope to see you again.

Thank you,

Yours faithfully,

Principal

**D.P.Bhosale College, Koregaon,
Tal- Koregaon, Dist: Satara.**



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

Ref. No. : 817/22-23

Date : 03/11/2022

To

Mr. A. B. Mane

Head,

Department of Zoology,

Dr. Patangrao Kadam Mahavidyalaya,

Ramandnagar (Burla) - 416308

Subject: - Invitation as a Chairperson for National Conference 2022.

Respected Sir,

It gives us great pleasure to invite you as a **Chairperson** for **Oral Presentation Session** of National Conference on "**Innovative Trends in Biological Research**" on behalf of organizing committee. The session will be held on **Wednesday, 9th November 2022** at **4.00 pm**. As the Chairperson of the session, you will be leading and managing the event. Your leadership and expertise will be invaluable in ensuring the success of the conference. Your presence is highly appreciated and hope that you will accept our invitation.

Thank you,

Yours faithfully,



Principal

**D.P.Bhosale College, Koregaon,
Tal- Koregaon, Dist: Satara.**



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

Ref. No. : 820 | 22-23

Date : 03/11/2022

Letter of Appreciation

To

Mr. A. B. Mane

Head,

Department of Zoology,

Dr. Patangrao Kadam Mahavidyalaya,

Ramandnagar (Burli) - 416308

Respected Sir,

It is a great pleasure to express my sincere thanks to you for being the **Chairperson** for **Oral Presentation** of National Conference on "**Innovative Trends in Biological Research**" held on **9th November 2022** organized by the Department of Zoology and Microbiology of D.P. Bhosale College, Koregaon.

Thank you very much for sharing your valuable time and we hope to see you again.

Thank you,

Yours faithfully,



Principal

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Tal- Koregaon, Dist: Satara.**

Estd: 1968

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

Ref. No. : 817/22-23

Date : 03/11/2022

To

Dr. Jini Subhash Deshmane

Assistant Professor,

Department of Zoology,

Smt. Kasturbai Walchand College,

Sangli - 416416

Subject: - Invitation as a Chairperson for National Conference 2022.

Respected Madam,

It gives us great pleasure to invite you as a **Chairperson** for **Oral Presentation Session** of National Conference on “**Innovative Trends in Biological Research**” on behalf of organizing committee. The session will be held on **Wednesday, 9th November 2022** at **4.00 pm**. As the Chairperson of the session, you will be leading and managing the event. Your leadership and expertise will be invaluable in ensuring the success of the conference. Your presence is highly appreciated and hope that you will accept our invitation.

Thank you,

Yours faithfully,

Principal

**D.P.Bhosale College, Koregaon,
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Principal, Dr. Vijaysinh S. Sawant M.Sc. Ph.D.

Ref. No. : 820 | 22-23

Date : 09/11/2022

Letter of Appreciation

To

Dr. Jini Subhash Deshmane

Assistant Professor,

Department of Zoology,

Smt. Kasturbai Walchand College,

Sangli -416416

Respected Madam,

It is a great pleasure to express my sincere thanks to you for being the **Chairperson** for **Oral Presentation** of National Conference on “**Innovative Trends in Biological Research**” held on **9th November 2022** organized by the Department of Zoology and Microbiology of D.P. Bhosale College, Koregaon.

Thank you very much for sharing your valuable time and we hope to see you again.

Thank you,

Yours faithfully,

Principal

**D.P.Bhosale College, Koregaon,
Tal- Koregaon, Dist: Satara.**



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

Ref. No. : 820 / 22-23

Date : 03/11/2022

To

Dr. D Arvind Prasanth

Associate Professor,

Department of Microbiology,

Periyar University, Salem,

Tamilnadu -636011

Subject: - Invitation as a Chief Guest for Valedictory Function of National Conference 2022

Respected Sir,

We are cordially invite you as a **Chief Guest** for **Valedictory function** of our National Conference which will be held on **Wednesday 9th November 2022** at **5.00 pm**.

It would be such a huge privilege to have you with us on this special occasion. We look forward to seeing you at the conference.

Thank you,



Yours faithfully,

Principal

**D.P. Bhosale College, Koregaon,
Tal- Koregaon, Dist: Satara.**

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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. : 842/2022-23

Date : 09/11/2022

Letter of Appreciation

To

Dr. D Arvind Prasanth

Associate Professor,

Department of Microbiology,

Periyar University,

Salem, Tamilnadu -636011

Respected Sir,

It is a great pleasure to express my sincere thanks to you for being the **Chief Guest** for **Valedictory Function** of National Conference on **"Innovative Trends in Biological Research"** held on **9th November 2022** organized by the Department of Zoology and Microbiology of D.P. Bhosale College, Koregaon.

Your talk was really informative and inspiring. We appreciate your time and effort in preparing for the conference, and we hope to see you again soon.

Thank you,

Yours faithfully,



Principal

**D.P.Bhosale College, Koregaon,
Tal- Koregaon, Dist: Satara.**



Rayat Shikshan Sanstha's
D.P. Bhosale College, Koregaon
Department of Zoology & Microbiology
National Conference on Innovative Trends in Biological Research
Wednesday, 9th November 2022

List of Participants

Sr. No.	Username	Title	Name of the Participant	Designation	Name of the College/ Institute/Organization
1.	savitanalawade03@gmail.com	Dr.	Savita Pravin Nalawade	Assistant Professor	D. P. Bhosale College, Koregaon
2.	pawar2925@gmail.com	Mr	Pawar Pankaj Vilas	Research Scholar	P.A.H.Solapur University Solapur
3.	rautavinash@gmail.com	Dr.	Dr. Avinash Anand Raut	Assistant Professor	Yashwantrao Chavan College of Science, Karad
4.	grkatkar2707@gmail.com	Miss	Geeta Ramesh Katkar	Research Student	Rayat Institute of Research and Development, Satara
5.	dr.rsDubal@gmail.com	Dr.	Rajaram Shankarrao Dubal	Professor in Zoology	Arts, Science and Commerce College, Mokhada. Dist- Palghar
6.	abhijitbmane@gmail.com	Mr	Abhijit Bhagwan Mane	Assistant Professor	Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli) Tal: Palus, Dist: Sangli

7.	dhirajanj@gmail.com	Dr.	Anjali Rajendra Patil	Professor	Rajaram College
8.	vdigvi84@gmail.com	Dr.	Digvijay Shripati Kumbhar	Assistant Professor	Rayat Shikshan Sanstha's Dada Patil Mahavidyalaya, Karjat. Dist. Ahmednagar.
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53.	amrutraj711@gmail.com	Mrs	Bansode Amrutraj Siddharth	Assistant professor	D. P. Bhosale college koregaon
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69.	sanmatis1321@gmail.com	Miss	Sanmati Sunil Gudale	Student	Miraj mahavidyalaya miraj
70.	girhebhimdeo@gmail.com	Mr	Girhe Bhimdeo Eknath	Associate Professor	Mudhoji College, Phaltan
71.	vidhinkamble16@gmail.com	Dr.	Kamble Vidhin Sundar	Assistant professor	Sangola College Sangola
72.	kulsumnaqvi2398@gmail.com	Miss	Naqvi Kulsum Manzoormehti	Research fellow	Kanchanvasa Foundation
73.	sadhanam538@gmail.com	Miss	Sadhana Prakash Mane.	Student	Sadguru Gadage Maharaj , College Karad.
74.	sanyogitapawar2212@gmail.com	Miss	Sanyogita Rajendra Pawar	Student	Sadrugu Gadage Maharaj College, Karad.
75.	vinaysangli@gmail.com	Mr	Vinay Vasanttrao Chougule	Student	Miraj Mahavidyalaya, Miraj
76.	zarinlashkari2002@gmail.com	Miss	Zarin Riyazahmed Lashkari	Student	Miraj Mahavidyalay Miraj
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Department of Zoology and Microbiology
National Conference on Innovative Trends in Biological Research

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National Conference on

“Innovative Trends in Biological Research”

9th November 2022

Valedictory Function

- ❖ Introduction & welcome of Guest : **DR. Mrs. S.P. Nalawade**
Convener of ITBR
D.P. Bhosale College, Koregaon
- ❖ Valedictory Address : **Dr. D Arvind Prasanth**
Associate Professor
School of BioSciences, Periyar
University, Salem
- ❖ Presidential talk : **Prof. S.D. Jadhav**
Vice Principal,
D.P. Bhosale College, Koregaon
- ❖ Vote of Thanks : **Dr. Miss. K. J. Kamble**
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9th November, 2022

Report

D. P. Bhosale College, Koregaon, Department of Zoology and Microbiology organized National Conference on “Innovative Trends in Biological Research” on 9th November 2022 in an enthusiastic manner, where researchers and educators come together to present, discuss and debate on most recent research, innovations, trends and concern in the field of life sciences.

"Education through Self-help is our Motto"- KARMAVEER
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NAAC Re-accredited: - 'A' with CGPA 3.12
ISO 9001 : 2015 Certified

**National Conference on Innovative trends
in Biological Research**
(One Day Hybrid Mode)
9th November, 2022

Prin. Dr. V.S. Sawant
D. P. Bhosale College, Koregaon
(Affiliated to Shivaji University, Kolhapur, MS)

On 9th November 2022 the Conference was started by Introduction of Conference and guest by Conference Convenor Dr. Mrs. S.P. Nalawade. Then Conference was inaugurated by auspicious hands of Dr. P. S. Patil, Pro- Vice Chancellor, Shivaji University, Kolhapur, prof. Dr. C.D. Lokhande, Director, CIR, D.Y. Patil University, Kolhapur, Dr. Nanasaheb Thorat, Scientist, Oxford University, London, Dr. Pranav Katkar, Research Scientist, Sejong University, South Korea, Prin. V.S. Sawant, Mr. C.B. Jawale, Dr. Mrs. S.P. Nalawade and all the dignitaries. Felicitation of guest was done by Prin. Dr. V.S. Sawant. On this occasion, proceeding publication release ceremony was held at the hands of all dignitaries followed by Key note Address Speaker Dr. P.S. Patil on “Recent Trends in Research”.



Key note Address delivered by Speaker Dr. P.S. Patil

Then Plenary Session I was started by introduction of Speaker and chairperson by Dr. Mrs. S.P. Nalawade. Speaker Dr. Bireshwar Bera, Associate Professor, St. Joseph's College, North Point, Darjeeling delivered lecture on Carbohydrate Metabolism of Trematodes with special reference to *Isoparorchis hypselobagr*.

National Conference on Innovative Trends in Biological Research

Plenary Session - I



Resource Person -Dr. Bireshwar Bera

Associate Professor,
Department of Zoology,
St. Joseph's College, North
Point, Darjeeling

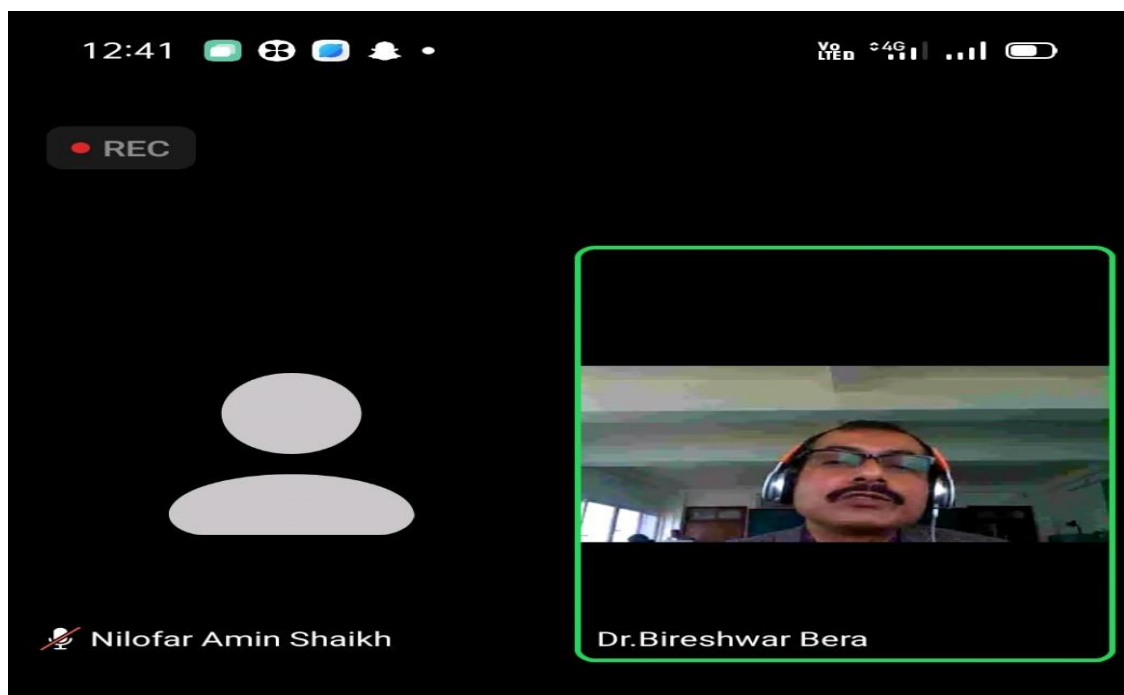
Topic : Carbohydrate Metabolism of Trematodes with special reference to Isoparorchis hypseloagri

Chairperson - Dr. V. R. Chavan

Principal, Shri Vijaysinha Yadav
College, Peth Vadgaon,
Dist. Kolhapur.

Time - 12.30 to 1.30 pm

This session was chaired by Dr. V. R. Chavan, Principal, Shri Vijaysinha Yadav College, Peth Vadgaon, Dist. Kolhapur. This session ends with vote of thanks was delivered by Mr. A. S. Bansode.



Dr. Bireshwar Bera Delivering Plenary speech

Then the Session II was started by introduction of speaker and chairperson of session by Dr. K. J. Kamble. After introduction Speaker Prof. Dr. Meghnad G. Joshi, Professor and Head, Dr. D. Y. Patil Medical College, Kolhapur, spoke on "Recent Advancement in Regenerative Medicine".

**National Conference on Innovative Trends in
Biological Research**
Plenary Session - II



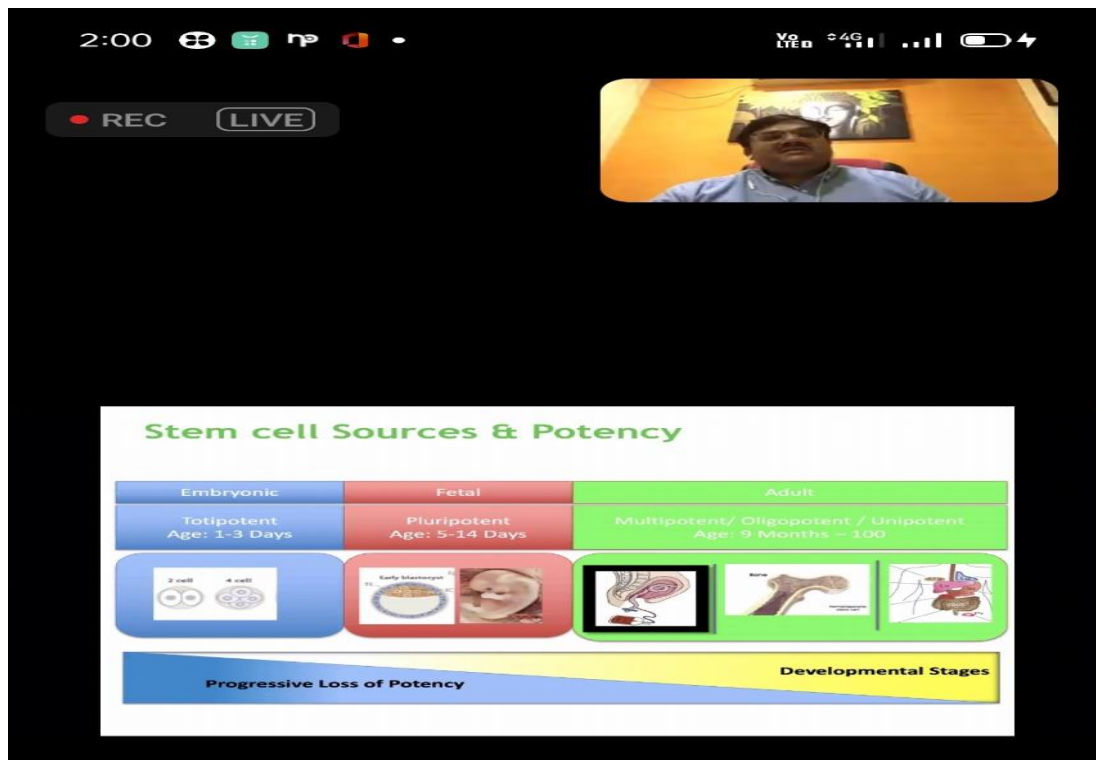
Resource Person - Prof. Dr. Meghnad G. Joshi
Prof. and Head,
Department of Stem Cells &
Regenerative Medicine,
Dr. D. Y. Patil Medical College, Kolhapur.

Topic Name - Recent Advancement in Regenerative Medicine

Chairperson - Prof. Dr. A. A. Deshmukh
Head, Dept. of Zoology,
Shivaji University, Kolha

Time - 1.30 to 2.30 pm

This session was chaired by Prof. Dr. A.A. Deshmukh, Head, Department of Zoology, Shivaji University, Kolhapur. This session was ends with vote of thanks delivered by Miss. N. A. Shaikh.



Dr. Meghnad Joshi delivering Plenary Talk

After lunch break Session III and IV were started simultaneously which includes Plenary Talk and Oral and Poster Presentations of students and budding researchers. Session III was started by Introduction of speaker and chairperson of session given by Miss A.S. Kavthalkar.

National Conference on Innovative Trends in Biological Research
Plenary Session - III



Resource Person - Dr. D. Arvind Prasanth
 Associate Professor,
 School of Biosciences,
 Periyar University,
 Salem, Tamilnadu.

Topic Name - Antimicrobial Resistance and Endophytic fungi

Chairperson - Dr. V. M. Ghorpade
 Professor and Dean
 Department of Microbiology,
 YCIS, Satara.

Time - 3 to 4 pm

After introduction of Speaker Dr. D Arvind Prasanth Associate Professor School of Bio-Sciences, Periyar University, Salem delivered lecture on “Antimicrobial Resistance and Endophytic fungi”. This session was chaired by Dr. V. M. Ghorpade, Dean P. G. Studies Yashwantrao Chavan Institute of Science, Satara. This session was ends with vote of thanks delivered by Mr. A. S. Bansode.

REC LIVE Endophytic Fungi residing in Seaweeds

SINO	Endophytic Fungi	Host Seaweed	Biological activity	Reference
1	Aspergillus niger	Colpomenia serotona	antifungal compound naphthoquinoneamine derivative	Zhang et al. (2007)
2	Cladophorales cladophorales	Sargassum wrightii	antioxidant property, reducing power, total phenolic content, flavonoid content, and antiangiogenic activity.	Hallisee et al. (2016)
3	Xylaria sp.	Botrychis tenella	the antitumorogenic compound cytochalasin D	de Felice et al. (2015)
4	Talaromyces islandicus	Lawsonia okamurai	the antimicrobial, antioxidant and cytotoxic activity of five different polyhydroxylated hydroquinone derivatives	Li et al. (2017)
5	Aspergillus versatilis	Sargassum	Three different tetraoxadiazane dioxepanoids	Sun et al. 2012
6	Gaiguardia sp.	Ulva pinnatifida	cytotoxic and antifungal activity	Feng Wu (2012)
7	Chaetomium globosum	Ulva pertusa	cytotoxic activity	Cui et al. 2010a
8	Aspergillus ochraceus	Sargassum kalmianianum	potential cytotoxic activity	Cui et al. 2010b
9	Phaeocephala spartinae	Ceramium sp.	HLE activity	Eliehu et al. 2010

Session IV was started simultaneously with Session III, which includes Oral and Poster Presentations of students and budding researchers. This session was started by introduction of chairperson and co- chairperson by Dr. K. J. Kamble.

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Plenary Session- IV

Oral Presentations

Chairperson -

Mr. A. B. Mane

Head Dept. of Zoology

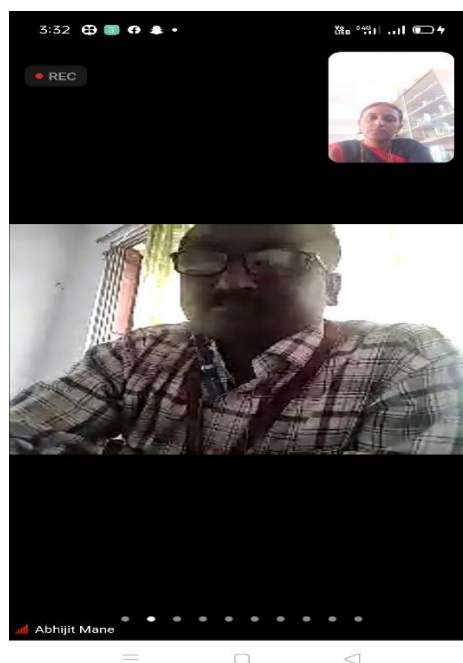
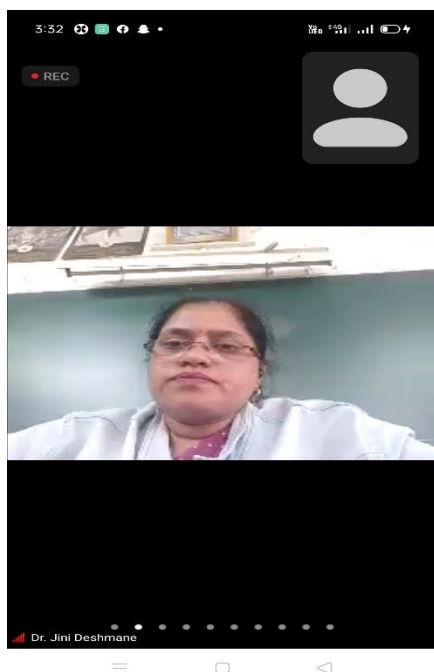
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)

Co - Chairperson -

Dr. J.S. Deshmane

Dept. of Zoology,
Smt. Kasturbai Walchand College,
Sangli.

Time - 4 to 5 pm



Chairing Plenary Session IV by Dr. J. S. Deshmane and Mr. A. B. Mane

This session was chaired by Mr. A. B. Mane Head, Dept. of Zoology, Dr.. Patangrao Kadam Mahavidyalaya, Ramandnagar (Burli) and Dr. J. S. Deshmane, Asst. Professor, Smt. Kasturbai Walchand College, Sangali. For this enthusiastic session Miss. N. A. Shaikh delivered vote of thanks.

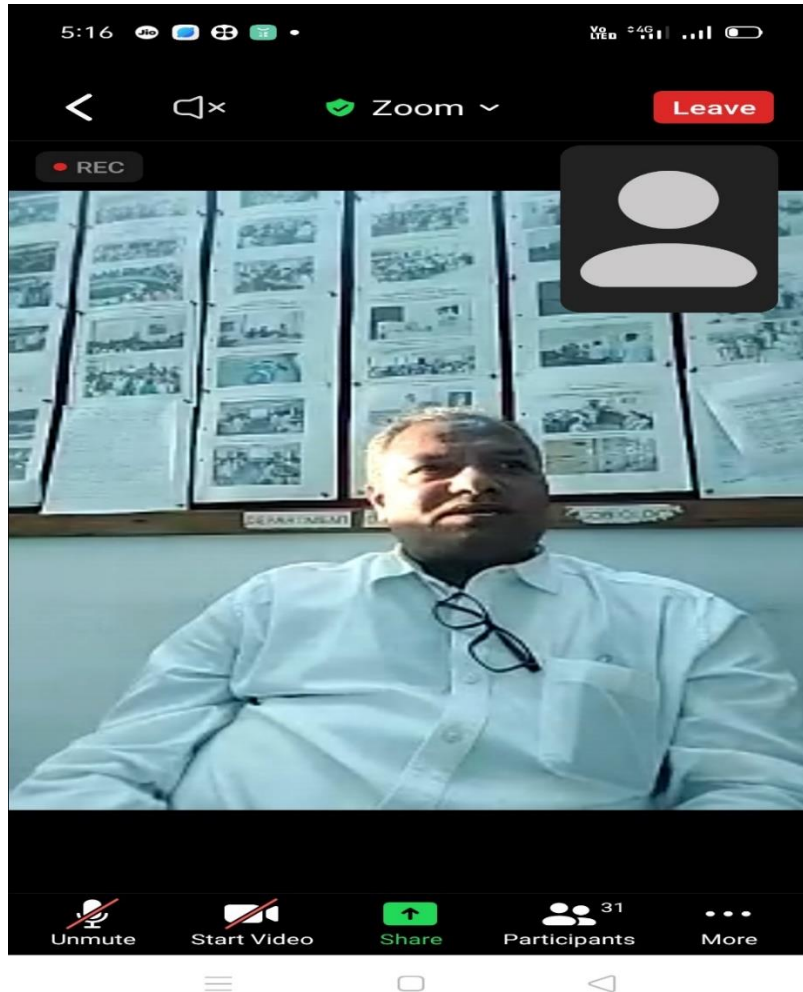
Rayat Shikshan Sanstha's
D. P. Bhosale College, Koregaon
Valedictory Function
9th November 2022
National Conference on Innovative Trends in Biological Research

Chief Guest - **Dr. D. Arvind Prasanth**
Associate Professor,
Department of Microbiology,
Periyar University,
Salem, Tamilnadu.


President - **Prof. Dr. S. D. Jadhav**
Vice Principal,
D. P. Bhosale college Koregaon

Time - 5 to 6 pm

The valedictory ceremony of National Conference was This function was started with introduction of Chief guest by Convenor of conference Dr. Mrs. S.P. Nalawade.



Then valedictory function was presided by Dr. S. D. Jadhav, Vice-Principal and Dr. D Arvind Prasanth Associate Professor School of Bio-Sciences, Periyar University, Salem was chief guest for the function. This function was ends with Vote of thanks delivered by Dr. K.J. Kamble. 135 participants are actively participated in National Conference.


Head
Department of Zoology
D. P. Bhosale College Koregaon



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D. P. Bhosale College, Koregaon

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NATIONAL CONFERENCE ON INNOVATIVE TRENDS IN BIOLOGICAL RESEARCH

Certificate

This is to certify that Prof./Dr./ Mr./ Mrs./ Miss.
.....of..... College/Institute/ Organization
has presented/ attended/worked as organizing committee member/ Resource Person/
chaired a session in the “National Conference on Innovative Trends in Biological
Research” organized by Department of Zoology and Microbiology, D. P. Bhosale College,
Koregaon. District- Satara (M.S.) held on 9th November 2022.

Dr. Mrs. S. P. Nalawade

Convener

Mr. C. B. Jawale

Coordinator

Prin. Dr. V. S. Sawant

Organizing chairman