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**MICROBIOLOGISTS SOCIETY, INDIA**  
**JHARKHAND UNIT | SESSION: 2021-23**  
**PREPARED BY SARATSUVRA PYNE**

# FROM STATE PRESIDENT'S DESK

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It is always a matter of great pride, responsibility and satisfaction to be at the helm of an affair and it is a matter of even more pride to be the State President of Microbiologists Society, India, Jharkhand Unit. Its overwhelming to be offered this post by the National President Dr. A.M. Deshmukh. When we picked up the challenge we were not actually sure, what next the 12 months will have in store for us but as it turned out despite many highs and lows, many ups and downs, we had many tremendous group activities, we developed a working group comprising of scientists, researchers and students and it is a matter of absolute honour to be with such people.



DR. A.K. SRIVASTAVA

# ABOUT THE JHARKHAND UNIT

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The Microbiologists Society, India, Jharkhand Unit was established on 5<sup>th</sup> July, 2021. For the session of 2021-22, the Jharkhand Unit established five Microclubs under the umbrella of Microbiologists Society, India. The five Microclubs were set up in St. Xavier's College, Ranchi. Students from different colleges of Jharkhand joined the Microclubs of St. Xavier's College, Ranchi.

The Unit had conducted many Seminars and Competitions at National and International Levels.

Jharkhand Unit has it's own Youtube Channel and Instagram Page of Microbiologists Society, India.

# COLLEGES JOINED MICROCLUBS OF ST. XAVIER'S COLLEGE, RANCHI

| 1. Ranchi Women's College                 | Ranchi     |
|---|------------|
| 2. Marwari College                        | Ranchi     |
| 3. Cooperative College                    | Jamshedpur |
| 4. P.K. Roy Memorial College              | Dhanbad    |
| 5. Dr. Shyama Prasad Mukherjee University | Ranchi     |
| 6. Vishthapit Mahavidyalaya               | Bokaro     |
| 7. Vinobha Bhave University               | Jamshedpur |
| 8. Acropolis Institute                    | Indore     |
| 9. Abasaheb Garware College               | Pune       |
| 10. D.Y. Patil University                 | Pune       |
| 11. VPASC College                         | Baramati   |
| 12. Amrita Vishwa Vidyapeetham            | Kerela     |
| 13. Sarsuna College                       | Kolkata    |

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# FACULTY COORDINATORS OF ST. XAVIER'S COLLEGE, RANCHI



## FACULTIES



Dr. Madhulika Singh  
(Assitant Professor (SS))



Dr. Ajay K. Srivastava  
(HEAD OF DEPARTMENT)  
Associate Professor



Fr. Dr. Prabhat K. Soreng S.J.  
(Assistant Professor)

# FACULTIES



Mrs. Arshi Naa Afsana



Mrs. Jessica Rene Hansdah



Ms. Swarnima Jha



Mrs. Aroma Aishwarya  
Barla



# ZONAL COORDINATORS FROM DIFFERENT COLLEGES

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1. Dr. Supriya Shrivastava, Professor, Ranchi Women's College, Ranchi.
2. Dr. Soma Roy, Professor, Ranchi Women's College, Ranchi.
3. Dr. Agatha Khalkho, Professor, Marwari College, Ranchi.
4. Dr. Shalini Lal, Professor, Dr. Shyama Prasad Mukherjee University, Ranchi.
5. Mrs. Kiroom Topno, Professor, P. K. Roy Memorial College, Dhanbad.
6. Mrs. Sharmila Sinha, P. K. Roy Memorial College, Dhanbad.
7. Dr. Amar Singh, Professor, Cooperative College, Jamshedpur.
8. Dr. Subir Khawas, Professor, Vinobha Bhave University, Jamshedpur.
9. Dr. H.C. Lal, Professor, Birsa Agriculture University, Ranchi.
10. Dr. Samir G. Lakra, Ranchi University, Ranchi.



# STUDENT UNIT OFFICE BEARERS

|                               |                        |  |                             |                      |
|-------------------------------|------------------------|--|-----------------------------|----------------------|
| <b>President</b>              | <b>Saratsuvra Pyne</b> |  | <b>Techie Expert</b>        | <b>Kumar Vaibhav</b> |
| Vice President                | Arundhati              |  | Vocational Service Director | Gauri Kabra          |
| Secretary                     | Aditi Priya            |  | Youth Director              | Diksheetsa Dahikar   |
| Joint Secretary               | Sruti Gupta            |  | General Manager             | Ashma Nidhi          |
| Treasurer                     | Astha Mehta            |  | Joint General Manager       | Gloria Xavier        |
| Joint Treasurer               | Khushi Verma           |  | P R Officer                 | Smriti               |
| Programme Director            | Anshu Tirkey           |  | Sergeant At Arms            | Aditya Kumar         |
| Fellowship Director           | Ankush Yadav           |  | Advisory Director           | Rashmi Marandi       |
| Society Service Director      | Sankalp Upadhyay       |  | Joint Advisor               | Ruchika R. Tirkey    |
| Professional Service Director | Ritu Topno             |  | Attendance Officer          | Aabir Chakraborty    |
|                               |                        |  | Campus Ambassador           | Ritu Tiwari          |

# MICROCLUBS



MICROART CLUB



MICROORATOR CLUB

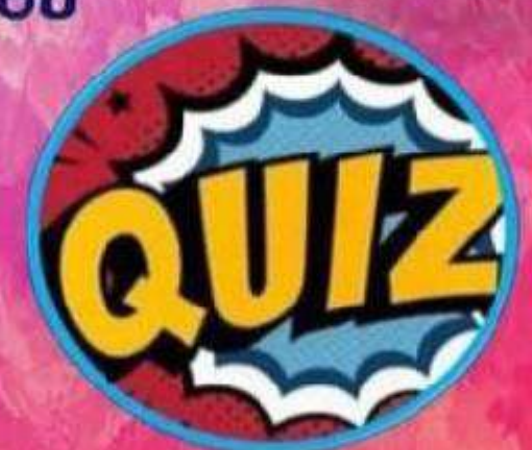


MICRODIGI CLUB

**PRESENTING  
THE ALL NEW  
MICROCLUBS  
TO YOU**



MICROWEB CLUB



MICROQUIZ CLUB

# MICROORATOR CLUB

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This Club was specially designed for conducting Essay, Debates, Poetry, etc. Competitions.

Club Head - Ms. Aditi Anubhuti

Club Coordinator - Ms. Epil Baskey

## EVENT ORGANISED:

On Birth Anniversary of Scottish Physician and Microbiologist, Sir Alexander Fleming, the Club had organised a State Level Essay Competition (Online). Participants from different colleges of Jharkhand actively participated in the event.

Jude of the Event: Ms. Shelvy, Research Scholar from Ranchi.

Date of the Event: 28/07/21 - 06/08/21

# WINNERS OF ESSAY COMPETITION

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1. Rank 1 was awarded to Ms. Ariba Bakhtawar from P. K. Roy Memorial College, Dhanbad.
2. Rank 2 was awarded to Mr. Swapnil Shivam Mishra from Dr. Shyama Prasad Mukherjee University, Ranchi.
3. Rank 3 was awarded to Ms. Priyanshi Kumari from St. Xavier's College, Ranchi.



# RANK 1 WINNER'S AWARD



# MICROART CLUB

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This Club was specially designed for conducting Sketching, Painting, Poster, etc. Competitions.

Club Head - Ms. Priyanshi Kumari

Club Coordinator - Ms. Anamika Toppo

## EVENT ORGANISED:

1. On Birth Anniversary of American Inventor, Biochemist and Microbiologist, Selman Walksman, an Inter-Departmental Level Digital Poster Competition was organised.

Judge of the Event: Mr. Susobhan Choudhury, Engineer from Dhanbad.

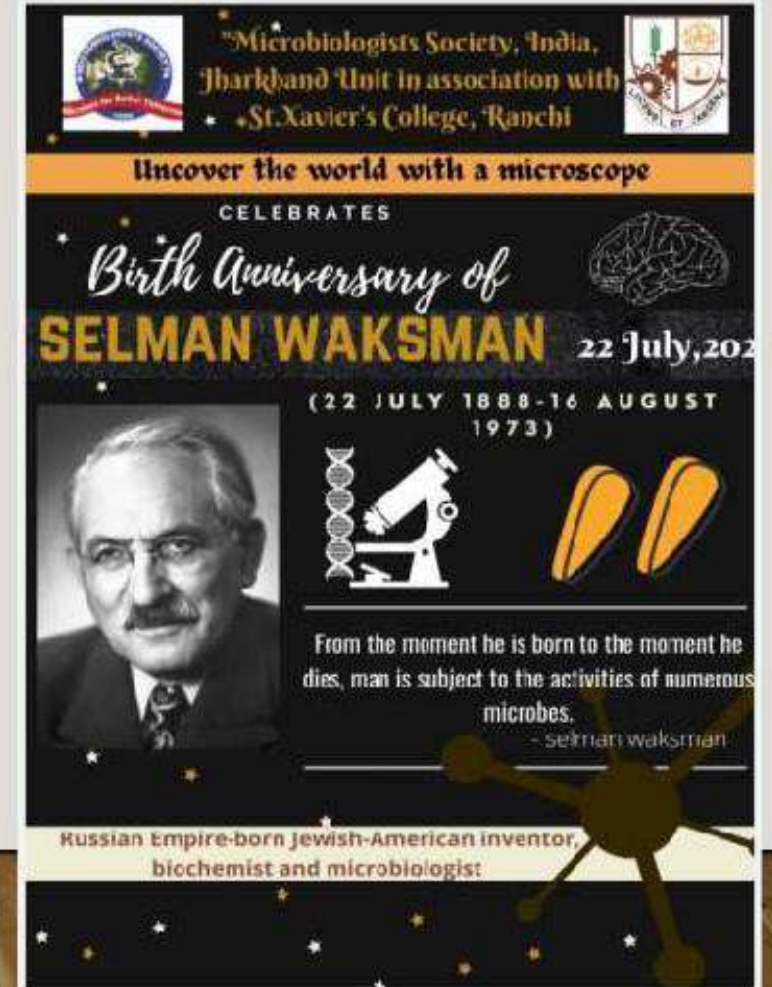
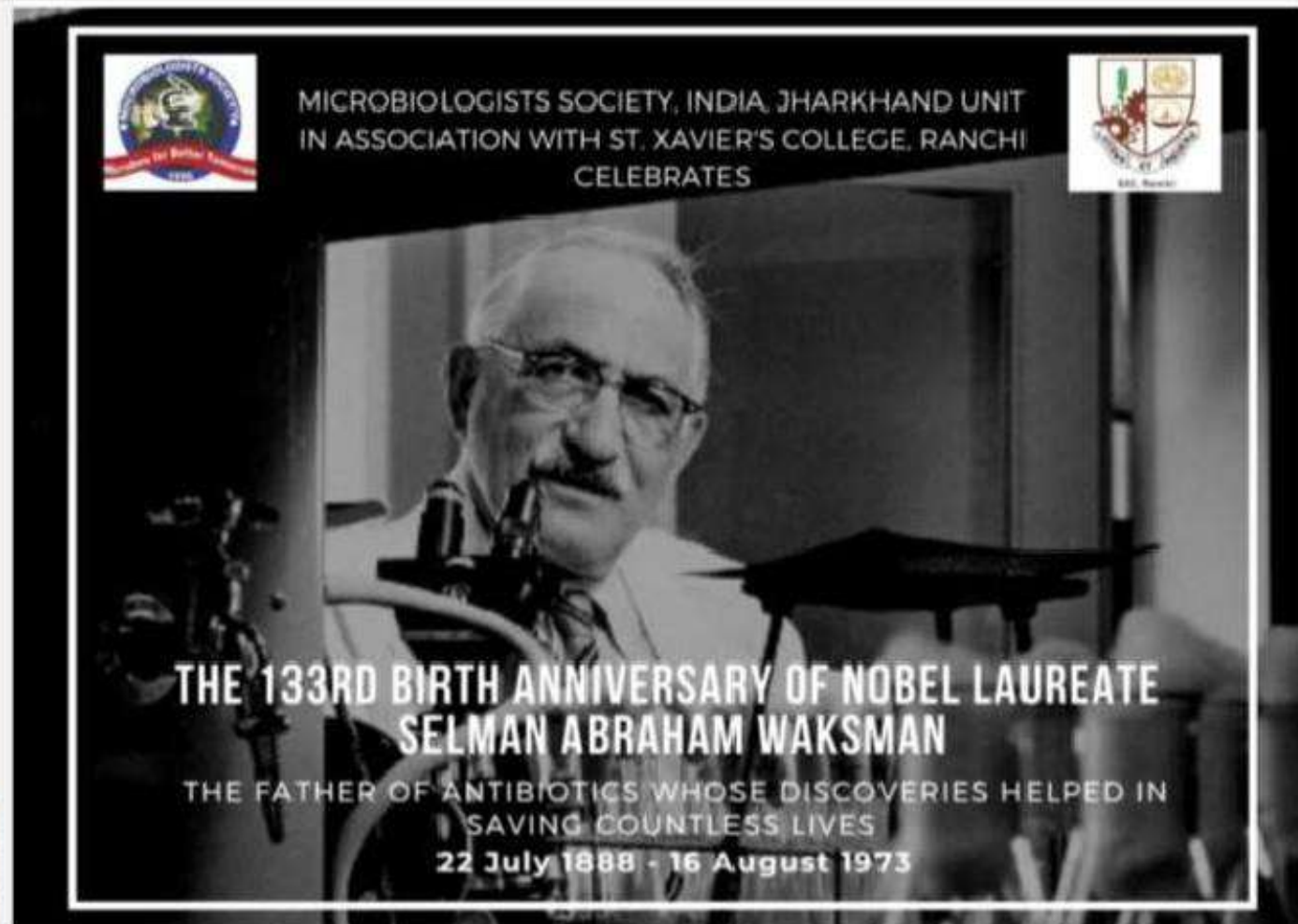
Date of the Event: 20/07/21 - 22/07/21

# WINNERS OF POSTER COMPETITION

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1. Rank 1 was awarded to Ms. Ruchika Riya Tirkey from St. Xavier's College, Ranchi.
2. Rank 2 was awarded to Ms. Aditi Priya from St. Xavier's College, Ranchi.
3. Rank 3 was awarded to Ms. Smriti from St. Xavier's College, Ranchi.

# WINNERS' POSTERS





# AWARDING THE JUDGE FOR THE JUDGEMENT

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MR. SARATSUVRA PYNE,  
ORGANISING SECRETARY  
HANDING OVER THE  
CERTIFICATE TO ER.  
SUSOBHAN CHOUDHURY

# SECOND EVENT FROM MICROART CLUB

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On Death Anniversary of South African-American Virologist and Physician, Max Theiler, a National Level Sketching Competition (Online) was organised.

Number of Participants: 130 Participants from all over India participated in the event including Students, Professors, Research Scholars, Working Professionals.

Judge of the Event: Dr. Akanksha Choudhury, Dental Surgeon, Ranchi.

Date of the Event: 06/08/21 - 11/08/21

# WINNERS OF SKETCHING COMPETITION

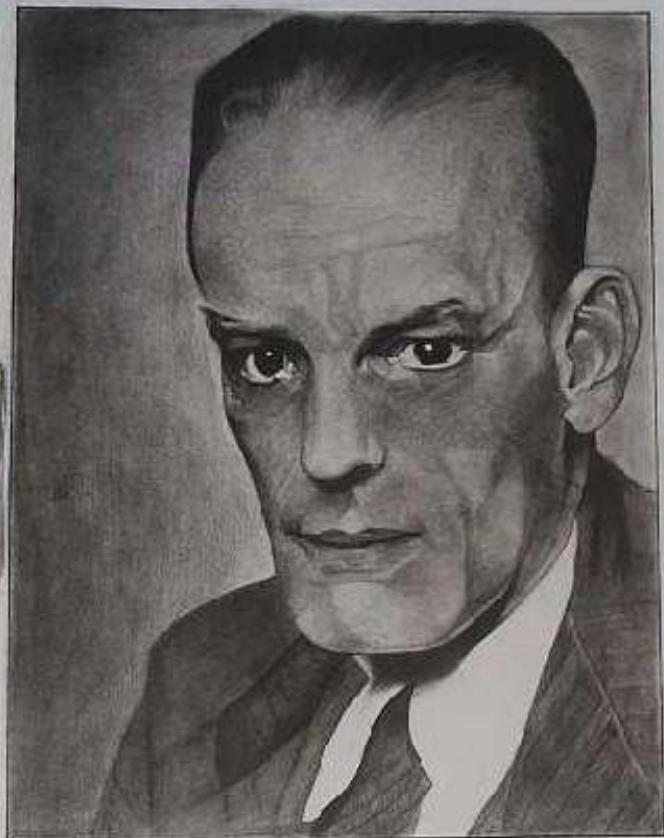
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1. Rank 1 was awarded to Prof. Priti A. Khairat from Late Ku D. K. Banmeru Sc. College, Lonar, Maharashtra.
2. Rank 2 was awarded to Mr. Debashish Bagchi from Kalyani Mahavidyalaya, West Bengal.
3. Rank 3 was awarded to Mr. Nishant Kumar from Gossner College, Ranchi.



# WINNERS' SKETCHES

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NAME — Prof. Bili Ashok Khunt  
DEPARTMENT — Microbiology  
COLLEGE — Lata K. J. K. Baramba Sc. College, Latur



NAME —  
DEPARTMENT —  
COLLEGE —



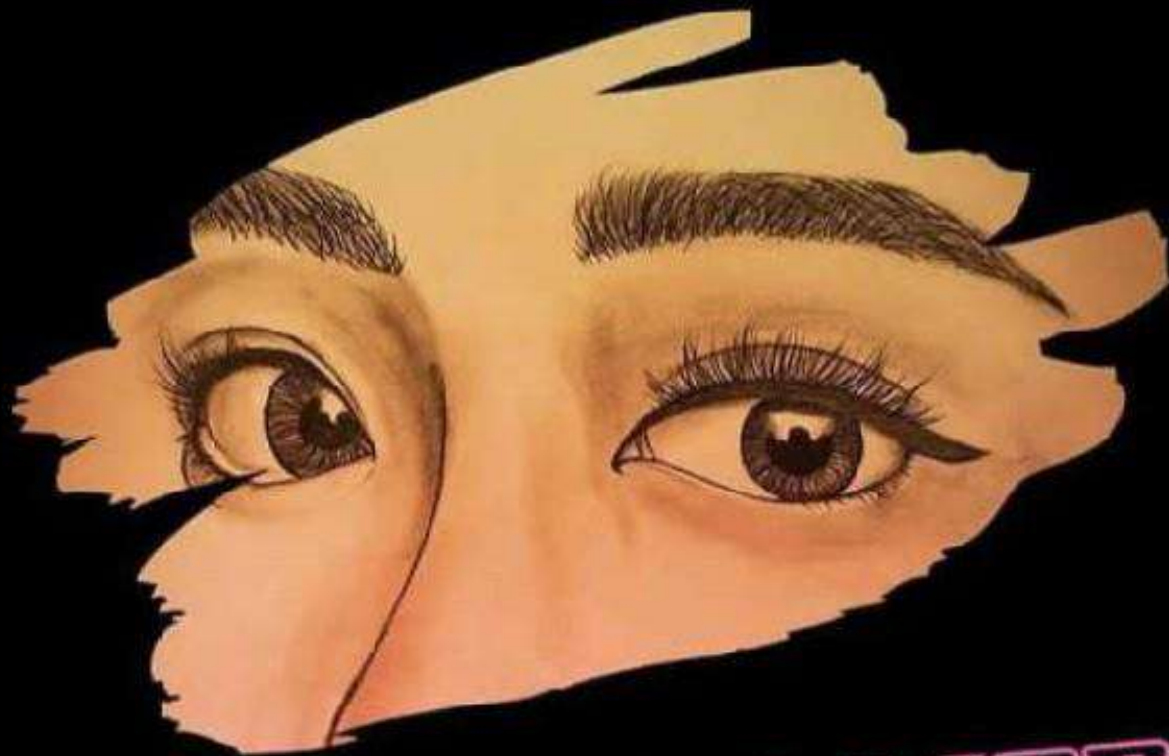
NAME — NISHANT KUMAR  
DEPARTMENT — B.A. - ECONOMICS  
COLLEGE — GOSHER COLLEGE, RAMCHI



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# POSTERS CREATED BY MICROART CLUB

# NATIONAL EYE DONATION FORTNIGHT



**LIGHT UP A LIFE,**  
*Donate your eyes*



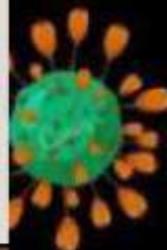
**MICROBIOLOGISTS SOCIETY, INDIA,  
JHARKHAND UNIT**

*Remembering  
Father of Microbiology*



**ANTONIE VAN  
LEEUVENHOEK**

*On his death anniversary  
(29 Oct 1632 - 26 Aug 1723)*





# Remembering Ernst Boris Chain



19 June 1906-  
12 Aug 1979

On his death anniversary

# MICROWEB CLUB

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This Club was specially designed for conducting Seminars, Webinars, Workshops, Conferences, etc.

Club Head - Ms. Jyotsana Ray

Club Coordinator - Ms. Kasfa Khanam

1. On 18<sup>th</sup> July, 2021, the Club had organised it's first Webinar at State Level.

Topics of the Webinar:

- 1.MICROBIOLOGY ECOLOGY ON ENVIRONMENTAL DIMENSION OF ANTIBIOTIC RESISTANCE
- 2.MICROBIALS- A NEW TOOL FOR SUSTAINABLE AGRICULTURE?
3. POLAR AND ALPINE MICROBIOLOGY



# DETAILS OF THE EVENT

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Speakers of the Webinar:

Speaker 1: Mr. Sourav Gorai, Research Scholar from Sidho - Kanho Birsha University, Purulia, West Bengal.

Speaker 2: Ms. Aditi Priya, Bsc. Student, St. Xavier's College, Ranchi.

Speaker 3: Ms. Ruchika Riya Tirkey, BSc. Student, St. Xavier's College, Ranchi.

Chairperson of the Event: Ms. Adwitiya Chaudhuri, Head, Department of Botany, Pingla Thana Mahavidyalaya, Paschim Mednipur, West Bengal.

Host of the Event: Mr. Saratsuvra Pyne, Bsc. Student, St. Xavier's College, Ranchi.

# SECOND WEBINAR FROM MICROWEB CLUB

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On 25<sup>th</sup> July, 2021, the Club had organised it's second Webinar at National Level.

Topic of the Webinar: Recent Trends in Microbiology.

Chairperson of the Event: Dr. H.K. Chaurasia, Senior Professor, Bhagalpur University, Bihar.

Speakers:

1. Speaker 1 Dr. S.R. Dave, Emeritus Professor from Ahmedabad.
2. Speaker 2 Dr. S.D. Patankar, President, Maharashtra and Goa Region, MBSI from Maharashtra.
3. Speaker 3 Dr. Anil Prakash, National Coordinator, MBSI from Madhya Pradesh.

Host of of the Event: Ms. Sagarika Ghosh, BSc. Student, St. Xavier's College, Ranchi.

# THIRD NATIONAL WEBINAR FROM MICROWEB CLUB

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Date of the Event: 7<sup>th</sup> September, 2021.

Topics of the Webinar:

1. Effect of microorganisms on food quality and safety
2. Upcoming challenges if antibiotic resistance
3. Importance of agriculture microbiology to the society.

Chairperson of the Event: Dr. Shailesh R. Dave, Adjunct Professor, Xavier's Research Foundation, Ahmedabad.

Host of the Event: Ms. Gauri Kabra, MSc. Student from Maharashtra.

# DETAILS OF THE THIRD WEBINAR

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## Speakers:

1. Speaker 1 Dr. Ruchi Srivastava, Food Industry Consultant and Trainer from Delhi.
2. Speaker 2 Dr. J. S. Viridi, Retired Professor, University of Delhi, South Campus.
3. Speaker 3 Dr. Rajesh Saxena, Senior Principal Scientist, M.P. Council of Science and Technology, Bhopal.

## Students Organising Committee:

Mr. Saratsuvra Pyne (Ranchi), Ms. Jyotsana Ray (Ranchi), Ms. Sanjana Chandravanshi (Dhanbad), Ms. Khushi Verma (Bhopal), Ms. Debamita Sutar (West Bengal), Mr. Angesh Yadav (Uttar Pradesh), Ms. Sneha Kumari (Ranchi) and Ms. Kamla Kacchap (Ranchi).



# MEMENTOS AWARDED TO THE CHAIRPERSON AND RESOURCE PERSONS

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# FOURTH WEBINAR FROM MICROWEB CLUB

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Date of the Event: 17<sup>th</sup> September, 2021

On International Microorganisms Day, the Club had organised an International Seminar (Online).

Chairpersons of the Event:

1. Dr. S.D. Patankar, President, Maharashtra and Goa Region, MBSI.
2. Dr. Anil Puniya, Principal Scientist, ICAR, Karnal.

Chief Organiser: Dr. Fr. Prabhat K. Soreng, Faculty, St. Xavier's College, Ranchi.

# DETAILS OF THE EVENT

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Resource Persons:

1. Speaker 1 Dr. Prakash M. Halami, Chief Scientist and Professor, CSIR from Mysore.
2. Speaker 2 Dr. Tanzima Yeasmin, Professor, University of Rajshahi from Bangladesh.
3. Speaker 3 Dr. Sunita Borkar, Professor, PER's RSN College of Arts and Science from Goa.

Host of the Event: Ms. Ayushi Singh, BSc. Student, St. Xavier's College, Ranchi.

Dr. Prakash M. Halami was given a remuneration of Rs. 2000/- from the Society.



# LAST NATIONAL WEBINAR FROM MICROWEB CLUB

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Date of the Event: 25<sup>th</sup> September, 2021.

Topics of the Webinar:

1. Genomics
2. Pharmacogenomics
3. Molecular Genetics

Chief Guest of the Event: Dr. G.S. Kocher, Professor, Punjab Agricultural University, Ludhiana.

Chairperson of the Event: Dr. Deepak C. Sharma, Professor, Shakuntala Misra National Rehabilitation University.



# DETAILS OF THE EVENT

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## Resource Persons:

1. Speaker 1 Dr. Dheeraj Nanda, Professor, AIPH University, Odhisa.
2. Speaker 2 Dr. Kamlesh Jangid, Manager, R&D Molecular Biology and Virology, Himedia Laboratories, Mumbai.
3. Speaker 3 Dr. A.J. Nair, Professor, University of Kerela.

Chief Organiser: Ms. Keshar Mistry, Faculty, St. Xavier's College, Ranchi.

Patrons: Dr. A.M. Deshmukh, President, Microbiologists Society, India and Dr. B.K. Sinha, Principal, P. K. Roy Memorial College, Dhanbad.

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# BROCHURES OF THE WEBINARS

# MICROBIOLOGY SOCIETY JHARKHAND

In association with



ST. XAVIER COLLEGE, RANCHI

WELCOMES YOU TO STATE WEBINAR ON  
TOPICS:

1. MICROBIOLOGY ECOLOGY ON ENVIRONMENTAL DIMENSION OF ANTIBIOTIC RESISTANCE
2. MICROBIALS- A NEW TOOL FOR SUSTAINABLE AGRICULTURE?
3. POLAR AND ALPINE MICROBIOLOGY

WITH BLESSINGS OF PROF. DR. AJAY SRIVASTAVA (HOD, BOTANY)  
AND DR. FR. NABOR LAKRA (PRINCIPAL)

Date and time: 18th July and 6:00 p.m. onwards

Registration link : <https://forms.gle/9bnBbf7oiztosFo58>



**SPEAKER 1:**  
SOURAV GORAI  
(RESEARCH SCHOLAR  
DEPARTMENT OF BOTANY  
SIDHO-KANHO-BIRSHA  
UNIVERSITY, PURULIA)



**SPEAKER 2:**  
RUCHIKA RIYA TIRKEY  
(SOCIETY ADVISOR,  
MICROBIOSOCIETY,  
JHARKHAND AND CR OF  
BIOTECHNOLOGY  
DEPARTMENT)



**SPEAKER 3:**  
ADITI PRIYA  
(SOCIETY SECRETARY  
MICROBIOSOCIETY,  
JHARKHAND AND CR OF  
ZOOLOGY DEPARTMENT)

**CHAIRPERSON:** DR. SHALINI LAI (FROM DSPMU, RANCHI)  
**PRESIDENT, MIRCBIOSOCIETY, INDIA :** DR. A. M. DESHMUKH

**HOST:** SARATSUVRA PYNE (STUDENT PRESIDENT,  
MICROBIOSOCIETY JHARKHAND)

**OPENER WITH AN OPENING PRAYER:** RIMA JULIE BHAUNRA

**VOTE OF THANKS:** SONALI KUMARI



## MICROBIOLOGIST SOCIETY, INDIA, JHARKHAND UNIT IN ASSOCIATION WITH ST. XAVIER'S COLLEGE, RANCHI



WELCOMES YOU TO NATIONAL WEBINAR ON  
**RECENT TRENDS IN MICROBIOLOGY**

WITH BLESSINGS OF DR. FR. NABOR LAKRA [PRINCIPAL]

AND

PROF. DR. AJAY SRIVASTAVA [HOD, BOTANY]

**DATE AND TIME : 25<sup>th</sup> July 2021 and 6 p.m. onwards**

Registration link : <https://my.forms.app/form/60efecb02ca34f5aa4c52810>



**SPEAKER 1 :**  
DR. S.R. DAVE  
[AHMEDABAD]



**SPEAKER 2 :**  
DR. S.D. PATANKAR  
[MAHARASHTRA]



**SPEAKER 3 :**  
PROF. ANIL PRAKASH  
[NATIONAL CO,  
MICROBIOSOCIETY INDIA]

**CHAIRPERSON :** DR. H. K. CHOURASIA, SENIOR FACULTY, BHAGALPUR  
UNIVERSITY

**HOST :** SAGARIKA GHOSH [CR, BOTANY DEPARTMENT, ST. XAVIER'S COLLEGE  
RANCHI]

**OPENER :** AROMA AISHWARYA BARLA [FACULTY MEMBER, BOTANY  
DEPARTMENT, ST. XAVIER'S COLLEGE, RANCHI]

**VOTE OF THANKS :** KASFA KHANAM [BOTANY DEPARTMENT, ST. XAVIER'S  
COLLEGE, RANCHI]

\* E-CERTIFICATE WILL BE PROVIDED TO ALL THE PARTICIPANTS.





MICROBIOLOGISTS SOCIETY, INDIA  
jointly with  
STUDENT UNIT OF MICROWEB CLUB, JHARKHAND CHAPTER  
alongwith  
Dr.MICROBIOLOGIST, WEST BENGAL CHAPTER

## PRESENTS EXPERTS TALK

### NATIONAL WEBINAR

DATE : 07.09.2021,

TIME : 6 PM ONWARDS



CHAIRPERSON : Dr. Shailesh R Datta,  
Admin Director , Adjunct professor  
Xavier's Research Foundation, LCRD,  
Ahmedabad



SPEAKER 1:Dr. Ruchi Srivastava  
-Food Industry Consultant and Trainer  
-Former Head, Food Safety, Bharti Walmart Pvt Ltd  
-PhD, IIT, Delhi



PATRON: Dr.A.M.DESHMUKH,  
(President, MSI)



SPEAKER 2 : DR. J.S.Virdi  
Formerly Prof., Departments of Microbiology,  
University of Delhi South Campus



SPEAKER 3 :Dr.Rajesh Saxena  
Senior Principal Scientist  
M.P.Council of Science & Technology,Bhopal  
(Dept. of SBT, Govt. of M.P.)

1. Effect of microorganisms on food quality and safety
2. Upcoming challenges if antibiotic resistance
3. Importance of agriculture microbiology to the society.



OPENER:  
Ms.SANJANA,  
(Student)



CONVENOR:  
Dr.AJAY K.SRIVASTAVA  
(HOD,BOTANY, ST.XAVIER'S  
COLLEGE, RANCHI)



VOTER OF THANKS:  
ADITI PRIYA  
(Student)



HOST:  
GAURI KABRA  
(Student)



CO- HOST:  
SNEHA KUMARI,  
(Student)



CHIEF ORGANISER:  
MS. KHUSHI VERMA,  
(Student)



JOINT ORGANISING SECRETARY:  
Ms.JYOTSANA RAY  
(Student)

ORGANISING COMMITTEE: DEBAMITA SUTAR, KUMAR VAIBHAV, KAMLA, ANGESH YADAV

MICROBIOLOGISTS SOCIETY, INDIA, JHARKHAND UNIT



In collaboration with  
**Dr.MICROBIOLOGIST**  
In association with

MICROWEB CLUB of ST.XAVIER'S COLLEGE, RANCHI

## PRESENTS EXPERTS TALK

### INTERNATIONAL WEBINAR ON INTERNATIONAL MICROORGANISMS DAY



(CHAIRPERSON 1)  
Dr. S. D. PATANKAR  
PRESIDENT, MSI  
MAHARASHTRA and GOA  
REGION



(CHAIRPERSON 2)  
Dr. ANIL KUMAR FUNIYA  
PRINCIPAL SCIENTIST AND  
HEAD, DAIRY MICROBIOLOGY  
DIVISION ICAR, Karnal



(PATRON)  
Dr. A. M. DESHMUKH  
PRESIDENT, MSI  
INDIA



(CO-PATRON)  
Prof.Dr. AJAY SRIVASTAVA  
HOD, BOTANY ST. XAVIER'S  
COLLEGE, RANCHI



(SPEAKER 1)  
Dr. PRAKASH HALMI  
CHIEF SCIENTIST and  
Professor-AcSIR,  
MYSORE



(SPEAKER 2)  
Dr. TANZIMA YEASMIN  
CHAIRMAN AND PROFESSOR,  
(UNIVERSITY OF RAJSHAHI),  
BANGLADESH



(SPEAKER 3)  
DR. MRS SUNITA BORKAR  
ASSOCIATE PROFESSOR AND  
MSC.COORDINATOR, PES'SRSM  
COLLEGE OF ARTS AND  
SCIENCE, GOA



(CHIEF ORGANISER)  
Fr. Dr. PRABHAT K SORENG  
(Faculty, St. XAVIER'S  
COLLEGE, Ranchi)



HOST:  
Ms. AYUSHI SINGH  
(Student, St. Xavier's  
College, Ranchi)



CO-HOST:  
Ms. BHAVYA SHREE  
(Student, St. Xavier's  
College, Ranchi)



OPENER:  
Ms. RAUNAK JHA  
(Student, St. Xavier's  
College, Ranchi)



VOTER OF THANKS:  
Ms. RITU TIWARI  
(Student, Women's College,  
Ranchi)



JOINT ORGANISER 1:  
Mr. SARATSUVRA PYNE  
(Student, St. Xavier's College,  
Ranchi)



JOINT ORGANISER 2:  
Mr. KUMAR VAIBHAV  
(Student, P.K.Roy Memorial  
College, Dhanbad)

**DATE:**  
**17th Sept. 2021**  
**TIME:**  
**6 P.M. ONWARDS**



# LAST WEBINAR ON 25<sup>TH</sup> SEP, 2021

**MICROBIOLOGISTS SOCIETY, INDIA, JHARKHAND UNIT**  
IN ASSOCIATION WITH  
**P. K. ROY MEMORIAL COLLEGE, DHANBAD**  
**PRESENTS EXPERTS TALK**  
**NATIONAL WEBINAR**

|   |  |  |  |
|---|--|--|--|
| <br>(CHIEF GUEST)<br>DR. G. S. KOCHER<br>HEAD, DEPT. OF<br>MICROBIOLOGY, PUNJAB<br>AGRICULTURAL UNIVERSITY<br>LUDHIANA             | <br>(CHAIRPERSON)<br>DR. DEEPAK CHAND SHARMA<br>ASSISTANT PROFESSOR &<br>COORDINATOR, DR.<br>SHAKUNTALA MISRA NATIONAL<br>REHABILITATION UNIVERSITY | <br>(PATRON)<br>DR. A. M. DESHMUKH<br>PRESIDENT, MSI INDIA  | <br>(CO-PATRON)<br>DR. B. K. SINHA<br>PRINCIPAL, P. K. ROY<br>MEMORIAL COLLEGE DHANBAD      |
| <br>(SPEAKER 1)<br>DR. DHEERAJ KUMAR NANDA<br>ASSISTANT PROFESSOR,<br>SCHOOL OF BIOLOGICAL<br>SCIENCES, AIPH UNIVERSITY,<br>ODISHA | <br>(SPEAKER 2)<br>DR. KAMLESH JANGID<br>MANAGER, R&D MOLECULAR<br>BIOLOGY AND VIROLOGY,<br>HIMEDIA LABORATORIES,<br>MUMBAI                         | <br>(SPEAKER 3)<br>DR. A. J. NAIR<br>PROFESSOR AND HEAD,<br>DEPARTMENT OF<br>BIOTECHNOLOGY, UNIVERSITY<br>OF KERALA | <br>(CONVENOR)<br>PROF. DR. A. K. SRIVASTAVA<br>HOD, BOTANY ST. XAVIER'S<br>COLLEGE, RANCHI |
| <br>(CO-CONVENOR)<br>MRS. KIROOM RASHMI TOPNO<br>ASST. PROFESSOR, DEPT. OF<br>BOTANY, P. K. ROY MEMORIAL<br>COLLEGE                | <b>MOLECULAR BIOLOGY</b><br><b>GENOMICS</b><br><b>PHARMACOGENOMICS</b><br><b>MOLECULAR GENETICS</b>  |  | <br>(CHIEF ORGANISER)<br>PROF. KESHAR MISTRY<br>FACULTY, ST. XAVIER'S<br>COLLEGE, RANCHI    |
| <br>(HOST)<br>MS. KHUSHI VERMA<br>STUDENT, ACROPOLIS<br>INSTITUTE, INDORE   | <br>(CO-HOST)<br>MS. SMRITI<br>STUDENT, ST. XAVIER'S<br>COLLEGE, RANCHI  | <br>(OPENER)<br>MS. ADITI VERMA<br>STUDENT, P. K. ROY<br>MEMORIAL COLLEGE,<br>DHANBAD                              | <br>(VOTER OF THANKS)<br>MS. DIKSHEETA DAHIKAR<br>STUDENT, DY PATIL<br>COLLEGE, PUNE       |
| <br>(JOINT ORGANISER 1)<br>MR. SWAPNIL SHIVAM MISHRA<br>STUDENT, DR. SHYAM PRASAD<br>MUKHERJEE UNIVERSITY, RANCHI                | <b>DATE:</b><br><b>25TH SEPT, 2021</b><br><b>TIME:</b><br><b>6 P.M. ONWARDS</b>  |  | <br>(JOINT ORGANISER 2)<br>MS. ASHMA NIDHI<br>STUDENT, ST. XAVIER'S<br>COLLEGE, RANCHI    |

ORGANISING COMMITTEE MEMBER: MR. KUMAR VAIBHAV, STUDENT(P. K. ROY MEMORIAL COLLEGE, DHANBAD)

# MICROQUIZ CLUB

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This Club was specially designed for conducting Quizzes related to Microbiology.

Club Head - Mr. Umang Shah

Club Coordinator - Ms. Vanshika Bhatia

## EVENT ORGANISED:

On the occasion of International Youth Day, the Club has organised a National E Quiz Contest.

Date of the event: 05/08/21 - 12/08/21

This Quiz was open to all and E Certificates were generated automatically upon finishing the Quiz via Google Form. This event was not Winner based and everyone had received a Certificate of Participation those who had participated.

# MICRODIGI CLUB

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This Club was specially designed for conducting Video Making, Photography, etc. Competitions.

Club Head - Ms. Sagarika Ghosh

Club Coordinator - Mr. Sukritya Verma

## EVENT ORGANISED:

The Club had organised a National Presentation and Video Making Competition on E.coli Bacteria. Many participants from all over India Participated.

Date of the Event: 12<sup>th</sup> Sep to 28<sup>th</sup> Sep, 2021.

Judge of the Event: Dr. Manish Kumar, Professor, Amity University, Bhopal, Madhya Pradesh.



# DESIGNS OF THE PRESENTATION COMPETITION

*Escherichia coli*

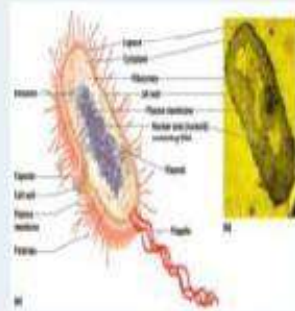


Fig. 10. Structure of *Scheuchzeria* cod (E cod)

Genus *Escherichia* (Escherich-Escherich, 1885), who discovered *Bacterium Escherichiae coli*.  
It isolated, were bacteria from the faeces of his patients suffering from dysentery.  
*E. coli* is a normal flora of the mouth and intestine.  
Pathogenicity depends on the production of enterotoxins and enterohemorrhagic toxins (EHEC).  
Produce small amounts of vitamins B12 and K.  
Cook Coliforms (pathogenic GI (Gastrointestinal) tract within hours after birth).

***Escherichia coli* Classification**

**Domain:** Bacteria

**Kingdom:** Bacteria

**Phylum:** Proteobacteria

**Class:** Gammaproteobacteria

**Order:** Enterobacteriales

**Family:** Enterobacteriaceae

**Genus:** *Escherichia*

**Species:** *Escherichia coli* (E. coli)

*Escherichia coli*

- ❑ *Escherichia coli* are gram-negative bacteria that inhabit the gastrointestinal tract.
- ❑ Facultative anaerobic *coli* (possessing both a fermentative and respiratory metabolism).
- ❑ Aerobic and facultative anaerobic bacteria.
- ❑ *Escherichia coli* cells are typically 1–1.5 µm widely 2–6 µm long and occur in single straight rods.
- ❑ They can be either motile with peritrichous flagella or nonmotile.
- ❑ Non-spore-forming bacteria, some produce polypeptide exotoxins.
- ❑ Common cause of enteric tract infections as well as urinary tract upset.
- ❑ *Escherichia coli* may also cause some ailments in humans as well as animals and is a general cause of "traveler's diarrhea", a dysentery-like disease affecting humans, and haemolytic colitis often referred to as "Shiga toxinosis".
- ❑ Transmitted via food, water and direct person to person contact.
- ❑ *Escherichia coli* in natural environments will undoubtedly be aided through its ability to grow as a biofilm.
- ❑ *Escherichia coli* isolated and identified in diarrhoeagenic stool sample of children under five year.

**Growth characteristics:**

1. Nutrient agar: Colonies are large, thick, moist, smooth, opaque or partially translucent discs.  
2. MFC/indole agar: Bright pink due to lactone fermentation.  
3. PMB/iron/sulfide/blue/agar: Blue and violent colonies with metallic sheen.

**Antibacterial Effectiveness**

Q or cell wall antigen H of *Salmonella* antigen K = capsule antigenPathogenic strains of Diarrhoeagenic *E. coli*:

1. *Enterobacter aerogenes* *E. coli*
2. *Enterobacteriaceae* *E. coli*
3. *Enterobacteriaceae* *E. coli*
4. *Enterobacteriaceae* *E. coli*



Escherichia coli (abbreviated as E. coli) are bacteria found in the environment, foods, and intestines of people and animals. E. coli are a large and diverse group of bacteria. Although most strains of E. coli are harmless, others can make you sick.

#### Characteristics of specific virulence of Diarrheagenic *E.coli*

| DEB STRAIN | POPULATION ORIGIN  | DIAGNOSIS  | IMMUNOPHENOTYPE, CYTOGENETIC ABNOMALITY | IMMUNOPHENOTYPE, CYTOGENETIC ABNOMALITY, AND OTHER CHARACTERISTICS   | REFERENCE   |
|------------|--|--|---|--|---|
| EPBC       | Healthy adults and children in developing countries            | Warty, warty keratosis, commonly with trisomy and low-grade lesions  | Normal                                  | 1. Immune to both normal and atypical EPEC isolates.<br>2. Broadly-binding pAb (ATP) only to atypical EPEC isolates      | Traves and Kapte (1990)   |
| BRBC       | Children and adults worldwide                                  | Warty, flat-topped followed by severely vesicular lesions, with both ex and lev. Desquamation, keratinization, atypia (BC) and dysplasia (BRBC) common (20%) | Normal                                  | 1. Slaps versus (BR) and (BR) common   | Traves and Kapte (1990)   |
| ETBC       | Children in developing countries, and occasionally some adults | Warty, flat-topped, usually without ulcers, with fever and vomiting in majority of cases   | Normal                                  | 1. Colonization factors<br>2. The separation of ET and ET in forms of STP or STK   | Traves and Kapte (1990)<br>Gupta et al. (2001)                      |
| BRBC       | Children and adults worldwide                                  | Precocious puberty, sexual, slowly or very slowly, flat-topped, with low-grade lesions and little or no vomiting   | Normal                                  | 1. Aggressive adherence: Baboon (A-0)<br>2. Major expression of EPEC protein resistance factors: G2000, including CVD-02 | Traves and Kapte (1990)<br>Chen et al. (2000)<br>Hong et al. (2006) |

**MOLECULAR METHOD OF DETECTION:**  
Detection of different types of DEC by PCR  
used PCR primers.

[illegible]

## 4. POLYMERASE CHAIN REACTION (PCR)

- Amplifies specific gene target
- Primers used in PCR may detect a characteristic nucleotide feature as well as other genes
- PCR assays are themselves to detect presence or absence of a particular gene

## RESULTS

- [illegible]

## TREATMENT

- bioassay treatment activates the replacement of fluid and electrolytes to treat a patient dehydration.

#### REFERENCE

- World Health Organization, Geneva: WHO, 2007.

# WINNERS OF THE EVENT

---

- Rank 1 - Sanali Rajendra Tayade from Vidya Pratishthan's ASC College, Baramati, Pune, Maharashtra.
- Rank 2 - Sweta Barupal, Research Scholar from Maharaja Ganga Singh University Bikaner, Rajasthan.
- Rank 3 - Karandi Snehal from Ahmednager College, Ahmednager, Maharashtra.



**MOC**

**MICROOLYMPIAD  
COMMITTEE**

Education knows no bounds.

Estd.2021



# MICROOLYMPIAD COMMITTEE

---

On 75<sup>th</sup> Independence Day, St. Xavier's College, Ranchi had set up a Microolympiad Committee which was designed for conducting Olympiad.

Chairman of the Committee - Dr. Fr. Prabhat K. Soreng

## EVENT ORGANISED:

On 15<sup>th</sup> Sep, 2021 prior to International Microorganisms Day, the Committee had organised an International Microbiology Olympiad for the first time under Microbiologists Society, India.

Mr. Abhishek Sinha, Vice President, Bank of Chicago, United States announced the names of the Winners.



# BROCHURE OF THE OLYMPIAD



**MICROBIOLOGISTS SOCIETY**  
Microbes for Better Tomorrow  
1996

## MICROBIOLOGY OLYMPIAD


Microbiologist's society, India jointly with MicroOlympiad committee in collaboration with Dr. Microbiologist



### TOPICS

- History of Microbiology
- Bacteria & Gram staining
- Sterilization, culture media & pure culture techniques
- General properties of Microorganisms
- Bacterial Nutrition
- Bacterial growth
- Structure of DNA & RNA
- Immunology
- Medical Microbiology
- Industrial Microbiology





**REGISTER HERE**

<https://forms.gle/eP9mwVECEVsbP4du6>

**REGISTRATION FEES- INR 100**

# WINNERS OF THE OLYMPIAD:

---

1. Rank 1 was awarded to Ms. Shabina Khan from SIW S College, Maharashtra
2. Rank 2 was awarded to Ms. Sayali S. Patil from Sinhgad College of Science, Ambegaon, Pune.
3. Rank 3 was awarded to Ms. Nandini Suresh Hadge from Dharampeth MP Deo Memorial Science College, Maharashtra.

# BEST STUDENTS LIST (FOR SESSION 2020-21)

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1. Mr. Rajat Choudhury, MSc. Botany, St. Xavier's College, Ranchi.
2. Ms. Smita Kujur, MSc. Botany, St. Xavier's College, Ranchi.
3. Mr. Saratsuvra Pyne, BSc. Botany, St. Xavier's College, Ranchi.
4. Ms. Aditi Priya, BSc. Zoology, St. Xavier's College, Ranchi.
5. Ms. Priyanshi Kumari, BSc. Biotechnology, St. Xavier's College, Ranchi.
6. Ms. Ritu Tiwari, BSc. Biotechnology, Women's College, Ranchi.
7. Ms. Swati Kumari, BSc. Biotechnology, Marwari College, Ranchi.
8. Mr. Swapnil Shivam Mishra, BSc. Microbiology, DSPMU, Ranchi.
9. Ms. Aditi Verma, BSc. Biotechnology, P. K. Roy Memorial College, Dhanbad.

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STATE PRESIDENT AWARDING  
THE BEST STUDENT OF MSC.  
BOTANY, ST. XAVIER'S COLLEGE,  
RANCHI





# CALENDAR MAKING COMPETITION

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The Students of St. Xavier's College, Ranchi had actively participated in the National Calendar Making Competition organised by the Head Office of Microbiologists Society, India.

List of Students participated:

1. Aditi Priya (TEAM LEADER)
2. Shikha Bharti
3. Ruchika Raman
4. Anamika Mahto
5. Virendra Toppo
6. Priyanshi Kumari



# AWARDEE OF CALENDAR MAKING COMPETITION

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# DESIGNS OF THE CALENDAR MADE BY STUDENTS OF ST. XAVIER'S COLLEGE, RANCHI

**Microbiology Society, India**  
(Reg.No.MAH/4814/SATC)  
President: Dr. A.M. Deshmukh  
C-2/52, Parjatak Apartment Noida  
Noida, Uttar Pradesh - M.S. India

**January 2022**

|            |          |          |           |           |           |           |
|------------|----------|----------|-----------|-----------|-----------|-----------|
| <b>Sun</b> |          | <b>2</b> | <b>9</b>  | <b>16</b> | <b>23</b> | <b>30</b> |
| <b>Mon</b> |          | <b>3</b> | <b>10</b> | <b>17</b> | <b>24</b> | <b>31</b> |
| <b>Tue</b> |          | <b>4</b> | <b>11</b> | <b>18</b> | <b>25</b> |           |
| <b>Wed</b> |          | <b>5</b> | <b>12</b> | <b>19</b> | <b>26</b> |           |
| <b>Thu</b> |          | <b>6</b> | <b>13</b> | <b>20</b> | <b>27</b> |           |
| <b>Fri</b> |          | <b>7</b> | <b>14</b> | <b>21</b> | <b>28</b> |           |
| <b>Sat</b> | <b>1</b> | <b>8</b> | <b>15</b> | <b>22</b> | <b>29</b> |           |

Jan 1 - 1931 - Death anniversary of Martinus Beijerinck  
Jan 12/1799 - 23rd anniversary of Lazzaro Spallanzani

**Microbiology Society, India**  
President: Dr.A.M. Deshmukh  
(Reg.No.MAH/4814/SATC)  
C-2/52, Parjatak Apartment, Noida  
Noida, Uttar Pradesh - M.S. India

**Microbiology Society, India**  
President: Dr. A. M. Deshmukh  
(Reg.No. MAH/4814/SATC)

**MARTINUS BEIJERINCK**  
(16<sup>th</sup> March 1851 – January 1931)  
Dutch microbiologist and botanist. Founder of virology and environmental microbiology.  
AWARD : Leeuwenhoek Medal (1905).  
He is credited with the discovery of viruses, which he called Contagium vivum fluidum.

**LAZZARO SPALLANZANI**  
(10<sup>th</sup> January 1729 – 12<sup>th</sup> February 1799)  
Known for Digestion Animal fertilisation Discrediting spontaneous generation Animal echolocation.  
Italian Catholic priest, biologist and physiologist who made important contribution to the experimental study of biogenesis.

**EDWARD JENNER**  
(17<sup>th</sup> May 1749 – 26<sup>th</sup> January 1823)  
English physician and scientist who pioneered the concept of vaccines including creating the smallpox vaccine, the world's first vaccine.

**KIYOSHI SHIGA**  
(7<sup>th</sup> February 1871 – 23<sup>rd</sup> January 1957) apanese physician and bacteriologist.  
Occupation : Medical Researcher Known for : Discovery of Shigella.

**MAX THEILER**  
(30<sup>th</sup> January 1899 – 11<sup>th</sup> August 1972)  
He was awarded the Noble Prize in Physiology or Medicine in 1951 for developing vaccine for yellow fever.

**Microbiology Society, India**  
President: Dr. A. M. Deshmukh  
(Reg.No. MAH/4814/SATC)

**Robert Koch**  
( 11 December 1843 - 27 May 1910)  
Dr Robert Koch was a pivotal figure in the golden age of microbiology. It was the German bacteriologist who discovered the bacteria that causes anthrax, septicaemia, tuberculosis and cholera, and his methods enabled others to identify many more important pathogens.

**Marjory Stephenson**  
(24 January 1865 – 12 December 1948)  
She wrote *Bacterial Metabolism* (1930), which ran to three editions and was a standard textbook for generations of microbiologists. A founder of the Society for general Microbiology, she also served as its second president.

**International Day for Biological Diversity.**  
first created by the Second Committee of the UN General Assembly in late 1993, 29 December (the date of entry into force of the Convention of Biological Diversity), was designated the international day for biological diversity.

**International Day for Biological Diversity**

# THE SOCIETY AWARDED MICROWEB AS THE BEST CLUB OF THE YEAR 2021-22

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**SECOND MBSI UNIT  
OF  
ST. XAVIER'S COLLEGE, RANCHI,  
JHARKHAND CHAPTER  
ESTABLISHED ON 4<sup>TH</sup> APRIL, 2022.**





**MICROBIOLOGISTS SOCIETY, INDIA**

**ST.XAVIER'S COLLEGE, RANCHI**



**OFFICE BEARERS**

**(2022 - 23)**



**President:**  
**Riya Gupta**



**Vice President:**  
**Tashu Natasha kisku**



**Secretary:**  
**Sharanya Karmakar**



**Joint Secretary:**  
**Akriti Kumari**



**Program Officer:**  
**Bhumi**



**Treasurer :**  
**Sheetal P. Topno**



[microbiosocietyjkh](https://www.instagram.com/microbiosocietyjkh)



[MSI JHARKHAND](https://www.youtube.com/MSI_JHARKHAND)



[microbiosocietyjharkhand@gmail.com](mailto:microbiosocietyjharkhand@gmail.com)

# RANGOLI COMPETITION

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On 22<sup>nd</sup> April, 2022, the new MBSI Unit of St. Xavier's College, Ranchi organised a Rangoli Competition on World Earth Day at St. Xavier's College, Ranchi Campus. Students from many departments participated in the event.

THEME OF THE COMPETITION - PROTECTING LIFE ON EARTH.

The Judges personally came to the college for the judgement.

All the six Office Bearers alongwith Ex Student President coordinated the event very well.

Faculties of Botany Department were also present as coordinators.

The Competition was organised in a pair of two.

# BROCHURE OF THE EVENT



**MICROBIOLOGISTS SOCIETY, INDIA**  
**IN ASSOCIATION WITH**  
**ST. XAVIER'S COLLEGE, RANCHI**  
**ORGANISES**



## **RANGOLI COMPETITION**



**VENUE: ST XAVIER'S COLLEGE RANCHI**

**TIME: 3-4 P.M.**

**DATE: 22ND APRIL 2022.**

**RULES OF THE COMPETITION:**

- 1.TIME DURATION - 1 HR.(3-4 P.M.)
- 2.THE RANGOLI ART SHOULD BE OF 4×4 FT.
- 2.PARTICIPANTS SHOULD BRING THEIR OWN RANGOLI MATERIALS.
- 4.ONE TEAM SHOULD CONSISTS OF MAXIMUM TWO PARTICIPANTS.
- 5.THEME: PROTECT LIFE ON EARTH.
- 6.ELIGIBILITY: THE COMPETITION IS OPEN TO ALL.

**AWARDS TO BE GIVEN:**

1. MERT CERTIFICATES AND TROPHIES TO FIRST THREE WINNERS.
2. PARTICIPATION CERTIFICATES FOR ALL.

**RESULT DECLARATION ON 25TH APRIL DURING MSI WEBINAR.**

**FOR QUERIES, CONTACT:**

**RIYA(9835627116)**

**SHARANYA(8918989279)**







**MICROBIOLOGISTS SOCIETY of  
ST. XAVIER'S COLLEGE, RANCHI**



*invites*

**JUDGES OF THE RANGOLI COMPETITION  
(WORLD EARTH DAY)**



**Dr. Akanksha Choudhary**  
MDS ( Periodontology and Oral  
Implantology), PGDCC.



**Prof. Zakir Hussain**  
(LECTURER, Government Teachers  
Training College Kanke, Ranchi)

# JUDGES OF THE EVENT

# JUDGES AND STUDENT COORDINATORS IN FRONT OF RANGOLI





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# WINNERS OF RANGOLI COMPETITION





# MICROBIOLOGISTS SOCIETY OF ST. XAVIER'S COLLEGE, RANCHI



## CONGRATULATES



Ms. DIKSHA KUMARI



Ms. SHAMILA BARAIK

### WINNERS OF RANGOLI COMPETITION

## RANK 1



microblosocietyjkhk



MSI JHARKHAND



microblosocietyjharkhand@gmail.com





# MICROBIOLOGISTS SOCIETY OF ST. XAVIER'S COLLEGE, RANCHI



## CONGRATULATES



Ms. SURBHI KUMARI



Ms. SHRISHTI DADEL

### WINNERS OF RANGOLI COMPETITION

## RANK 2



microbiosocietyjkh



MSI JHARKHAND



microbiosocietyjharkhand@gmail.com





# MICROBIOLOGISTS SOCIETY OF ST. XAVIER'S COLLEGE, RANCHI



## CONGRATULATES



**Ms. PALLAVI**



**Ms. SHREYASHI**

## WINNERS OF RANGOLI COMPETITION

### RANK 3



microbiosocietyjkh



MSI JHARKHAND



microbiosocietyjharkhand@gmail.com



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**WINNERS GETTING CERTIFICATES  
AND MEMENTOS FROM STATE  
PRESIDENT AND FACULTY OF  
BOTANY DEPARTMENT, SXC, RANCHI**











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# WINNERS' RANGOLIS









GROUP-20





# WEBINAR ON WORLD MALARIA DAY

---

The Unit organised a National Webinar on World Malaria Day.

Date of the Event: 25<sup>th</sup> April, 2022

Chairperson of the Event: Dr. Uma Shanker Singh IFS from Lucknow.

Chief Guest: Dr. Swaranjit Singh, Director, SAS Free Polyclinic, Perch, Mohali Punjab.

The event was of 3 hours long running Webinar and Participants from all over India actively participated in the Webinar.

Platform used: Google Meet



# DETAILS OF THE WEBINAR

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1. Speaker 1 Dr. Dhiraj K. Nanda, Professor from ALPH University, Odhisa.
2. Speaker 2 Dr. Manish Kumar, Professor from Amity University, Madhya Pradesh.
3. Speaker 3 Dr. Sinosh Skariyachan, Professor from St. Pius X College, Kerela.

Host of the Event: Ms. Sharanya Karmakar, BSc. Student, St. Xavier's College, Ranchi.

Organising Secretary: Ms. Riya Gupta, BSc. Student, St. Xavier's College, Ranchi.

# BROCHURE OF THE WEBINAR



**MICROBIOLOGISTS SOCIETY, INDIA,  
JHARKHAND UNIT**

*in association with*

**ST. XAVIER'S COLLEGE, RANCHI**

**PRESENTS**

## **NATIONAL WEBINAR ON WORLD MALARIA DAY**



**CHAIRPERSON:**  
**DR. UMA S. SINGH**  
(EX- PCCF, U.P.)



**CHIEF GUEST:**  
**SWARANJIT SINGH**  
(DIRECTOR, SAS FREE  
POLYCLINIC, MOHALI)



**RESOURCE PERSON 1:**  
**DR. DHIRAJ K. NANDA**  
(PROFESSOR, AIIPH UNIVERSITY,  
ODISHA)



**RESOURCE PERSON 2:**  
**DR. MANISH KUMAR**  
(PROFESSOR, AMITY  
UNIVERSITY, GWALIOR)



**RESOURCE PERSON 3:**  
**DR. SINOSH SKARIYACHAN**  
(PROFESSOR, ST. PIUS X COLLEGE,  
KERELA)



**PATRON:**  
**DR. A. M. DESHMUKH**  
(PRESIDENT, MICROBIOLOGISTS  
SOCIETY, INDIA)



**CO PATRON:**  
**DR. AJAY K. SRIVASTAVA**  
(PRESIDENT, MSI,  
JHARKHAND UNIT)



**ORGANISING SECRETARY:**  
**RIYA GUPTA**  
(PRESIDENT, MSI,  
STUDENT UNIT)



**HOST:**  
**SHARANYA KARMAKAR**  
(SECRETARY, MSI,  
STUDENT UNIT)

**DATE: 25TH APRIL, 2022    TIME: 6PM - 9PM    VENUE: GOOGLE MEET**



[microbiosocietyjkh](https://www.instagram.com/microbiosocietyjkh)



[MSI JHARKHAND](https://www.youtube.com/channel/UC...)



[microbiosocietyjharkhand@gmail.com](mailto:microbiosocietyjharkhand@gmail.com)

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**SPEAKER 1 DR. D.K. NANDA GETTING  
CERTIFICATE AND MEMENTO FROM DR. FR.  
NABOR LAKRA, PRINCIPAL, ST. XAVIER'S  
COLLEG, RANCHI AND DR. A.K. SRIVASTAVA  
STATE PRESIDENT**





# BEST COMMENT COMPETITION

---

The Unit organised a Best Comment Competition on World Blood Donar Day.

Date of the Event: 14<sup>th</sup> June, 2022

Judges of the Event:

1. Dr. Suhas Tetarway from Harmu Hospital and Research Centre.
2. Mr. Asutosh Mairh, Principal from DAV Public School, Sindri.

The event was completely held in Online Mode and participants from all over India actively participated in the event.

A nominal fees of Rs. 20/- was charged from the participants as Registration Fee.





**MICROBIOLOGISTS SOCIETY, INDIA**  
**JHARKHAND UNIT**  
**IN ASSOCIATION WITH**  
**ST. XAVIER'S COLLEGE, RANCHI**



**PRESENTS**  
**BEST COMMENT COMPETITION**  
**ON**  
**BLOOD DONOR DAY**

**ON 14TH JUNE**  
**TIME: 8:00AM - 8:00PM**  
**MODE: ONLINE**

**Open For Registration**

**REGISTRATION FEES : RS 20/-**

**7 - 13 JUNE 2022**

**LINK:-[HTTPS://FORMS.GLE/2S3Q9UTXKH03WL0SA](https://forms.gle/2S3Q9UTXKH03WL0SA)**

**PRIZE:- CERTIFICATE OF APPRECIATION TO**  
**1ST, 2ND, 3RD AND**  
**CERTIFICATE OF PARTICIPATION TO EVERY**  
**PARTICIPANTS**

**BANK DETAILS: SXC CONFERENCE**  
**ACCOUNT OF PNB COLLEGE CAMPUS**  
**BRANCH ACCOUNT NO:-**  
**1776010126496,**  
**IFSC CODE- PUNB0177620**

**YOU ARE NOT USELESS , KNOW YOUR WORTH**  
**BY DONATING BLOOD!**

**JUNE 14<sup>th</sup>**  
**BLOOD**  
**DONOR DAY**

**MORE INFORMATION:**

**CONTACT:**

**RIYA: 9835627116**

**SHARANYA: 8918989279**

# BROCHURE OF THE EVENT



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# WINNERS OF THE COMPETITION



**MICROBIOLOGISTS SOCIETY OF  
ST. XAVIER'S COLLEGE, RANCHI**



**CONGRATULATES**



**MS. ADITI KUMARI**

**WINNER OF BEST COMMENT COMPETITION**

**RANK 1**



**MBSI JHARKHAND**



**MICROBIOSOCIETYJHK**



**MICROBIOSOCIETYJHARKHAND@GMAIL.COM**



**MICROBIOLOGISTS SOCIETY OF  
ST. XAVIER'S COLLEGE, RANCHI**



**CONGRATULATES**



**MS. GAARGIE MODHALE**

**WINNER OF BEST COMMENT COMPETITION**

**RANK 2**



**MBSI JHARKHAND**



**MICROBIOSOCIETYJHK**



**MICROBIOSOCIETYJHARKHAND@GMAIL.COM**





**MICROBIOLOGISTS SOCIETY OF  
ST. XAVIER'S COLLEGE, RANCHI**



**CONGRATULATES**



**MS. KAJAL SONI**

**WINNER OF BEST COMMENT COMPETITION**

**RANK 3**



**MBSI JHARKHAND**



**MICROBIOSOCIETYJHK**



**MICROBIOSOCIETYJHARKHAND@GMAIL.COM**

# QUIZ CONTEST ON BLOOD DONAR DAY

---

On 14<sup>th</sup> June, 2022, the Unit organised a National Quiz Contest on Blood Donar Day in association with Harmu Hospital and Research Centre.

Participants were 209 in number from all over India. All the Winners were from St. Xavier's College, Ranchi.

It was held in the form of Google Forms and One Hour was provided to the participants.

This quiz was organised to check the knowledge of students related to Blood and to spread an awareness about donating the blood and it's importance in the society.



**MICROBIOSOCIETY INDIA (JHARKHAND UNIT)**

*in association with*  
**ST. XAVIERS COLLEGE, RANCHI**

*in collaboration with*  
**HARMU HOSPITAL AND RESEARCH CENTRE**

*Presents*  
**Quiz competition on Blood Donor Day**

**ON 14TH JUNE,  
TIME: 6-7PM  
MODE: ~~ONLINE~~ (GOOGLE FORM)**

**Open For Registration  
REGISTRATION:-10-13 JUNE  
REGISTRATION FREE**

**Prize:-Mementos and certificate of appreciation to 1st , 2nd , 3rd and certificate of participation to every participants**



***"Giving is not just about making donation***

***It is about making a differences."***

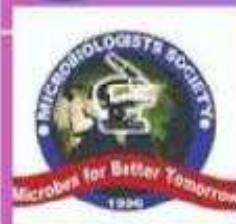
☒ FOR MORE INFORMATION:  
**CONTACT**  
RIYA - 9835627116  
TASHU - 7484930971

# BROCHURE OF THE COMPETITION



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# WINNERS OF THE COMPETITION



**MICROBIOLOGISTS SOCIETY OF  
ST. XAVIER'S COLLEGE, RANCHI**  
IN COLLABORATION WITH



**HARMU HOSPITAL AND RESEARCH CENTRE**

**CONGRATULATES**



**VINIT KUMAR JHA**



**WINNER OF QUIZ COMPETITION ON  
WORLD BLOOD DONOR DAY**



**MICROBIOLOGISTS SOCIETY OF  
ST. XAVIER'S COLLEGE, RANCHI  
IN COLLABORATION WITH**



**HARMU HOSPITAL AND RESEARCH CENTRE**

**CONGRATULATES**



**ASHA KUMARI GUPTA**



**WINNER OF QUIZ COMPETITION ON  
WORLD BLOOD DONOR DAY**





**MICROBIOLOGISTS SOCIETY OF  
ST. XAVIER'S COLLEGE, RANCHI**  
IN COLLABORATION WITH



**HARMU HOSPITAL AND RESEARCH CENTRE**

**CONGRATULATES**

+



**JAHAVI RAJ**

+

**WINNER OF QUIZ COMPETITION ON  
WORLD BLOOD DONOR DAY**

# INTERNATIONAL WEBINAR ON MOLECULAR BIOLOGY

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On 18<sup>th</sup> July, 2022, the Unit organised an International Webinar on Molecular Biology.

In the Webinar, three Students from different states of India participated as Student Speakers. The topics they delivered were:

1. RNA Editing and mRNA Transport
2. Transcription in Prokaryotes
3. Split Genes - Concept of Introns and Exons

# DETAILS OF THE WEBINAR

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Chairperson of the Webinar: Dr. Swaranjit Singh, Director SAS Free Polyclinic, Perch, Mohali, Punjab.

Key Note Speakers:

1. Speaker 1 Dr. Tanu Shri from Teri University, New Delhi.
2. Speaker 2 Ms. Neha Kashyap from Taiwan University, Taiwan.

Host of the Event: Ms. Anisha Roy, an Industrial Biotechnologist from West Bengal.



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# BROCHURES OF THE WEBINAR



**MICROBIOSOCIETY, INDIA**  
**JHARKHAND UNIT**  
*in association with*  
**ST. XAVIER'S COLLEGE, RANCHI**  
**PRESENTS**



**INTERNATIONAL WEBINAR**  
**ON**  
**MOLECULAR BIOLOGY**



**CHAIRPERSON:**  
**Dr. SWARANJIT SINGH**  
(CHAIRMAN BIODIVERSITY,  
PRESIDENT MBSI, CHANDIGARH)



**KEY SPEAKER 1:**  
**Dr. TANU SHRI**  
PHD ( PLANT  
MOLECULAR BIOLOGY)



**KEY SPEAKER 2:**  
**Ms. NEHA KASHYAP**  
(M.Sc. BIOTECHNOLOGY)



**STUDENT SPEAKER 1:**  
**Mr. MARUTHU PANDIAN**  
(MBSI, TAMIL NADU)



**STUDENT SPEAKER 2:**  
**Ms. POTDAR**  
**MAYURI RAJENDRA**  
(MBSI STUDENT UNIT, PUNE)



**STUDENT SPEAKER 3:**  
**Ms. AISHWARYA**  
**SHIRSULLA**  
(MBSI, PUNE)



**PATRON:**  
**Dr. Fr. NABOR LAKRA**  
( PRINCIPAL, St. XAVIER'S  
COLLEGE, RANCHI )



**CO-PATRON:**  
**Dr. A.M. DESHMUKH**  
( PRESIDENT, MBSI )



**CHIEF ORGANISER:**  
**Dr. AJAY K. SRIVASTAVA**  
( PRESIDENT, MBSI,  
JHARKHAND UNIT)

**DATE: 18TH JUNE, 2022 TIME: 6PM - 8PM VENUE: GOOGLE MEET**

[microbiosocietyjkh](#) [MSI JHARKHAND](#) [microbiosocietyjharkhand@gmail.com](mailto:microbiosocietyjharkhand@gmail.com)



**MICROBIOSOCIETY, INDIA**  
**JHARKHAND UNIT**  
*in association with*  
**ST. XAVIER'S COLLEGE, RANCHI**  
**PRESENTS**



**INTERNATIONAL WEBINAR**  
**ON**  
**MOLECULAR BIOLOGY**



**CHIEF ORGANISER:**  
**Ms. AROMA AISHWARYA**  
BARLA  
LECTURER



**HOST:**  
**ANISHA ROY**  
ACADEMIC TUTOR



**CO-HOST:**  
**MANISHA PANI**  
MBSI, JHARKHAND



**OPENER:**  
**NISHA KUMARI**  
MBSI, JHARKHAND



**VOTER OF THANKS:**  
**KAJAL KUMARI**  
MBSI, JHARKHAND



**ORGANISER:**  
**SHARANYA KARMAKAR**  
(SECRETARY, MBSI,  
STUDENT UNIT)



**ORGANISER:**  
**RIYA GUPTA**  
(PRESIDENT, MBSI,  
STUDENT UNIT)

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**CHAIRPERSON DR.  
SWARANJIT SINGH  
HOLDING THE MEMENTO  
AND CERTIFICATE**



# POSTER WITH SLOGAN COMPETITION

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On International Day Against Drug Abuse and Illicit Trafficking, the Unit conducted a National Level Poster with Slogan Competition.

Date of the Event: 26<sup>th</sup> June, 2022.

Judges of the Event:

1. Dr. Suhas Tetarway from Harmu Hospital and Research Centre.
2. Mr. Asutosh Mairh, Principal from DAV Public School, Sindri.

For the announcement of the Winners, Dr. Anita Sinha was invited from Ranchi University to do the honour.

**MICROBIOLOGISTS' SOCIETY INDIA JHARKHAND UNIT**



**IN ASSOCIATION WITH  
ST. XAVIER'S COLLEGE, RANCHI**



**PRESENTS  
POSTER WITH SLOGAN COMPETITION**

**ON  
INTERNATIONAL DAY AGAINST DRUG ABUSE  
AND ILLICIT TRAFFICKING**

**REGISTRATION FEES: RS 30/  
REGISTRATION ARE OPEN FROM  
19-25 JUNE 2022**

**SUBMISSION DATE AND TIME :  
TIME : 12:00AM - 11:59PM.  
MODE : ONLINE  
DATE : 26TH JUNE  
POSTER : HAND MADE / DIGITAL**

**AWARDS : ONLINE MEMENTOS GIVEN TO 1ST, 2ND,  
3RD WINNER WITH CERTIFICATE OF APPRECIATION  
PARTICIPANTS : CERTIFICATE OF PARTICIPATION**



**DRUGS TRANSFORM YOU INTO SOMEONE YOU  
WOULD HAVE NEVER DREAMED OF !**

**BANK DETAILS :**

**SXC CONFERENCE  
ACCOUNT OF PMS  
COLLEGE CAMPUS  
RANCHI  
ACCOUNT NO. -  
1775019126496  
IFSC CODE - PUNB033A05**

**Submit your posters:-  
[microbicsocietyjharkhand@gmail.com](mailto:microbicsocietyjharkhand@gmail.com)**

**MORE INFORMATION:-**

**CONTACT:-**

**RIYA : 98356 27118**

**SHARANYA : 89189 89279**



# BROCHURE OF THE EVENT

# WINNERS OF THE COMPETITION

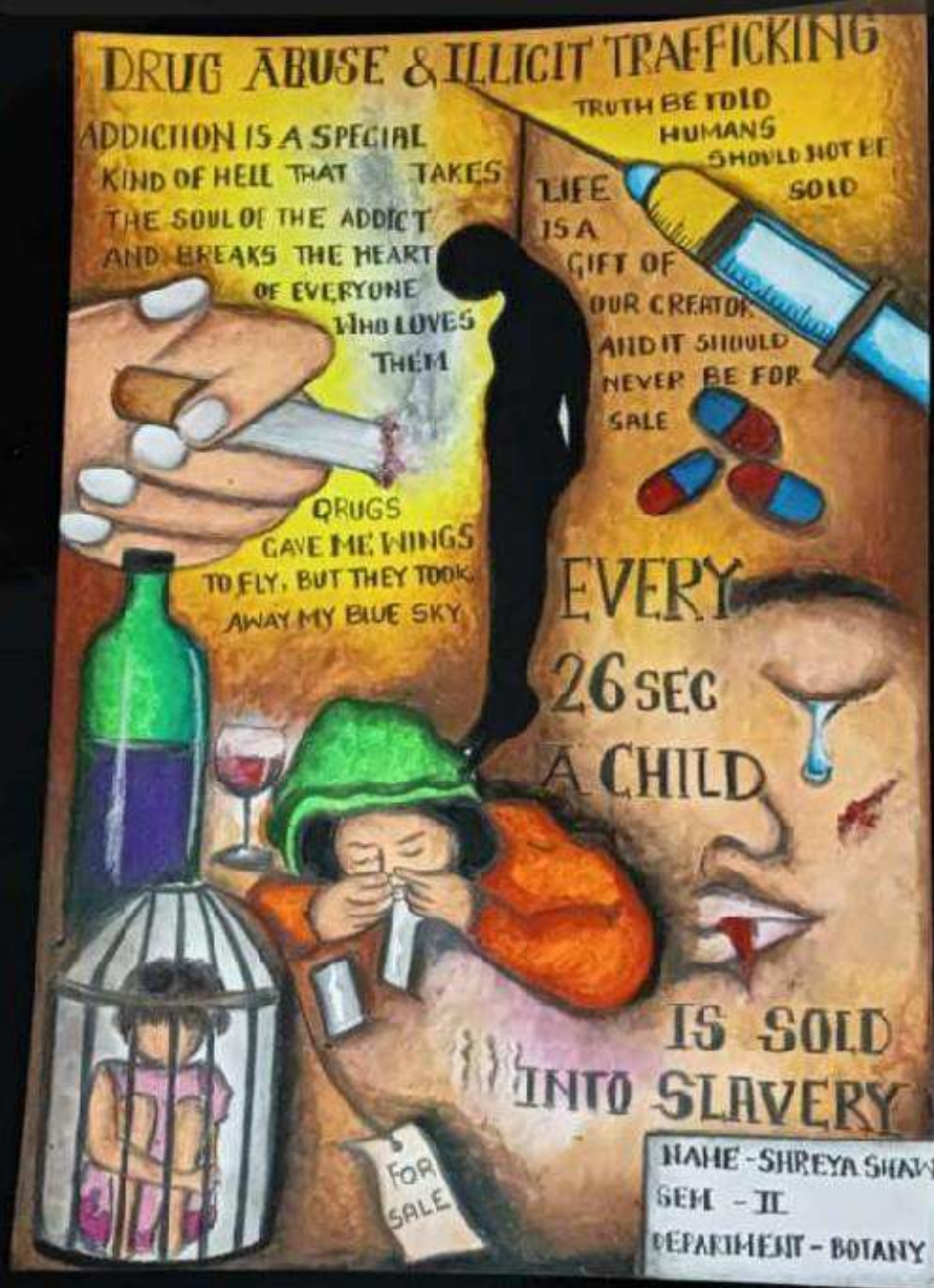
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1. Rank 1 was awarded to Ms. Shreya Shaw from Botany Department, St. Xavier's College, Ranchi.
2. Rank 2 was awarded to Ms. Aditi Priya from Botany Department, St. Xavier's College, Ranchi.
3. Rank 3 was awarded to Ms. Nandini Singh from St. Xavier's College, Ranchi.



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# WINNERS' POSTERS WITH SLOGANS





# D IN DRUGS IS DEMISE



INTERNATIO-  
NAL DAY AGAINST  
Drug Abuse  
AND ILLICIT  
TRAFFICKING



NO!



26 JUNE

## ESCAPE DRUGS AND COME BACK TO LIFE



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# WINNERS GETTING CERTIFICATES AND MEMENTOS



Shot on OnePlus

By Riya





Shot on OnePlus  
By Riya



# MICROBIOLOGISTS SOCIETY, INDIA, JHARKHAND UNIT

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Youtube Channel Name - MBSI JHARKHAND

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Address - St. Xavier's College, Dr Camil Bulcke Path, Pathalkudwa, Nayatoli, Ranchi,  
Jharkhand 834001

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**THANK YOU**