

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

FROM STATE PRESIDENT'S DESK

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

The Microbiologists Society, India, Jharkhand Unit was established on 5th 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

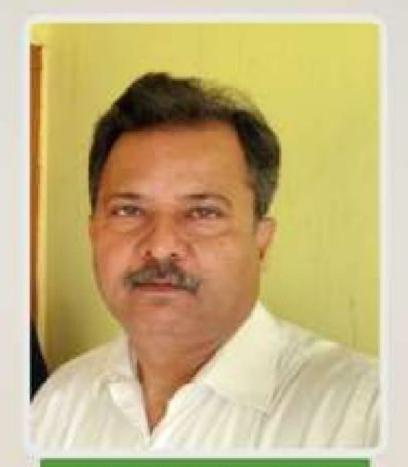
1. Ranchi Women's College	Ranchi
2. Marwari College	Ranchi
3. Cooperative College	Jamshedpur
4. P.K. Roy Memorial College	Dhanbad
5. Dr. Shyama Prasad Mukherjee University	Ranchi
6. Vishthapit Mahavidyalaya	Bokaro
7. Vinobha Bhave University	Jamshedpur
8. Acropolis Institute	Indore
9. Abasaheb Garware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

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 Naaj Afsana



Ms. Swarnima Jha



wis Swarruina jila



Mrs. Aroma Aishwarya Barla

Mrs. Jessica Rene Hansdah

ZONAL COORDINATORS FROM DIFFERENT COLLEGES

- 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

President	Saratsuvra Pyne
Vice President	Arundhati
Secretary	Aditi Priya
Joint Secretary	Sruti Gupta
Treasurer	Astha Mehta
Joint Treasurer	Khushi Verma
Programme Director	Anshu Tirkey
Fellowship Director	Ankush Yadav
Society Service Director	Sankalp Upadhyay
Professional Service Director	Ritu Topno

	Techie Expert	Kumar Vaibhav
	Vocational Service Director	Gauri Kabra
	Youth Director	Diksheeta Dahikar
	General Manager	Ashma Nidhi
	Joint General Manager	Gloria Xavier
	P R Officer	Smriti
	Sergeant At Arms	Aditya Kumar
	Advisory Director	Rashmi Marandi
	Joint Advisor	Ruchika R. Tirkey
100	Attendance Officer	Aabir Chakraborty
Section 1	Campus Ambassador	Ritu Tiwari

MICROCLUBS



MICROORATOR CLUB

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

- 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



CERTIFICATE OF MERIT

Ariba Bakhtawar

for successfully achieving the 1st Rank in National essay writing competition held on the auspicious occasion of Alexander Fleming's 140th birth anniversary (27th July-6th August) by Microbiologists Society, India, Jharkhand Unit in association with St.Xavier's College, Ranchi.

DR. A. M. DESHMUKH

President of Microbiologists Society, INDIA PROF. DR. AJAY KUMAI SRIVASTAVA

State President of Microbiologists Society, INDIA, Jharkhand Unit

MICROART CLUB

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.

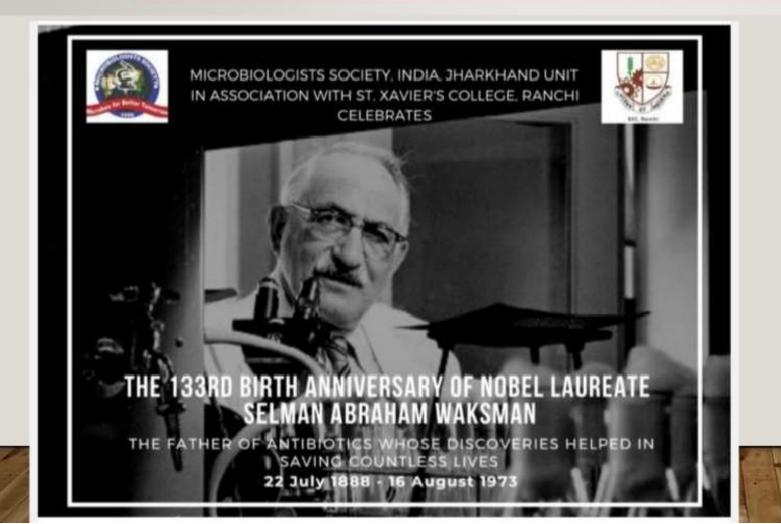
Judge of the Event: Mr. Susobhan Choudhury, Engineer from Dhanbad.

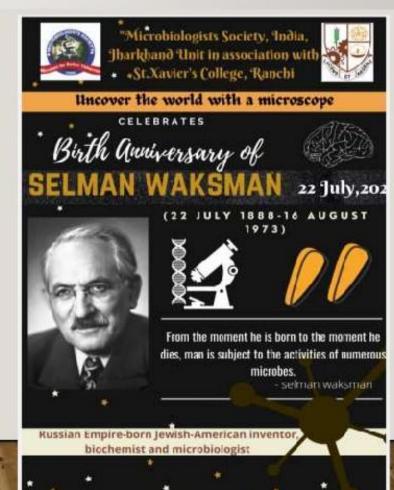
Date of the Event: 20/07/21 - 22/07/21

WINNERS OF POSTER COMPETITION

- 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



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

SECOND EVENT FROM MICROART CLUB

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

- 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







DEPARTMENT - E.A. ECONOMICS COLLEGE - GOSSNER COLLEGE, RENCHIL

POSTERS CREATED BY MICROART CLUB

NATIONAL EYE DONATION FORTNIGHT



BIGHT OF A BIFES



VICROBIOLOGISTS SOCIETY, INDIA, JHARKHAND UNIT

Remembering Father of Microbiology





ANTONIE VAN LEEUWENHOEK

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



MICROWEB CLUB

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

Club Head - Ms. Jyotsana Ray

Club Coordinator - Ms. Kasfa Khanam

1. On 18th 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

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

On 25th 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

Date of the Event: 7th 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

Speakers:

- 1. Speaker 1 Dr. Ruchi Srivastava, Food Industry Consultant and Trainer from Delhi.
- 2. Speaker 2 Dr. J. S. Virdi, 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







FOURTH WEBINAR FROM MICROWEB CLUB

Date of the Event: 17th 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

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 renumeration of Rs. 2000/- from the Society.

LAST NATIONAL WEBINAR FROM MICROWEB CLUB

Date of the Event: 25th September, 2021.

Topics of the Webinar:

- 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

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.

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)



(SOCIETY SECRETARY MICROBIOSOCIETY, JHARKHAND AND CR OF ZOOLOGY DEPARTMENT)

CHAIRPERSON: DR. SHALINI LAL (FROM DSPMU, RANCHI)
PRESIDENT, MIRCOBIOSOCIETY, 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: 25th July 2021 and 6 p.m. onwards

Registeration 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.



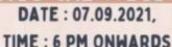
MICROBIOLOGISTS SOCIETY, INDIA

jointly with

STUDENT UNIT OF MICROWEB CLUB, JHARKHAND CHAPTER alongwith

Dr.MICROBIOLOGIST, WEST BENGAL CHAPTER

PRESENTS EXPERTS TALK





(President, MSI)

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

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

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 STechnology, Bhopal (Dept. of SST, 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)



GAURI KABRA (Student)

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



CO- HOST: SNEHA KUMARI, (Student)



CHIEF ORGANISER: MS. KHUSHI VERMA (Student)



VOTER OF THANKS: **ADITI PRIYA** (Student)



JOINT ORGANISING SECRETARY MILJYOTSANA RAY

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





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



Dr. ANIL KUMAR PUNIYA PRINCIPAL SCIENTIST AND HEAD, DAIRY MICROBIOLOGY **DIVISION ICAR, Karnal**



Dr. A. M. DESHMUKH PRESIDENT, MSI



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 RAISHAHI) BANGLADESH



DR. MRS SUNITA BORKAR **ASSOCIATE PROFESSOR AND** MSC.COORDINATOR, PES'SRSN **COLLEGE OF ARTS AND** SCIENCE, GOA



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



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



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



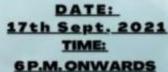
OPENER: Ms. RAUNAK JHA (Student, St. Xavier's College, Ranchi)



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



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





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

LAST WEBINAR ON 25TH SEP, 2021



MICROBIOLOGISTS SOCIETY, INDIA, JHARKHAND UNIT IN ASSOCIATION WITH

P. K. ROY MEMORIAL COLLEGE, DHANBAD

PRESENTS EXPERTS TALK



DR. G. S. KOCHER MICROBIOLOGY, PUNJAB AGRICULTURAL UNIVERSITY



DR. DEEPAK CHAND SHARMA ASSISTANT PROFESSOR & COORDINATOR, DR. SHAKUNTALA MISRA NATIONAL REHABILITATION UNIVERSITY



DR. A. M. DESHMUKH PRESIDENT, MSI INDIA



DR. B. K. SINHA PRINCIPAL, P. K. ROY MEMORIAL COLLEGE DHANBAD



DR. DHEERAJ KUMAR NANDA ASSISTANT PROFESSOR SCHOOL OF BIOLOGICAL SCIENCES, AIPH UNIVERSITY,



DR. KAMLESH JANGID MANAGER, R&D MOLECULAR BIOLOGY AND VIROLOGY, HIMEDIA LABORATORIES,



DR. A. J. NAIR PROFESSOR AND HEAD. DEPARTMENT OF BIOTECHNOLOGY, UNIVERSITY OF KERALA



PROF. DR. A. K. SRIVASTAVA HOD, BOTANY ST. XAVIER'S COLLEGE, RANCHI



ICO-CONVENOR)
MRS. KIROOM RASHMI TOPNO
ASST. PROFESSOR, DEPT. OF
BOTANY, P. K. BOY MEMORIAL





MS. KHUSHI VERMA STUDENT, ACROPOLIS



MS. SMRITI STUDENT, ST. XAVIER'S COLLEGE, RANCHI



PROF. KESHAR MISTRY **FACULTY, ST. XAVIER'S**



MOLECULAR BIOLOGY **GENOMICS PHARMACOGENOMICS**

MOLECULAR GENETICS

MS. ADITI VERMA STUDENT, P. K. ROY MEMORIAL COLLEGE,





(JOINT ORGANISER 2) MS. ASHMA NIDHI STUDENT, ST. XAVIER'S COLLEGE, RANCHI



(IOINT ORGANISER 1) MR. SWAPNIL SHIVAM MISHRA STUDENT, DR. SHYAM PRASAD MUKHERJEE UNIVERSITY, RANCHI

DATE: 25TH SEPT, 2021 TIME: 6 P.M. ONWARDS

MICROQUIZ CLUB

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

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

Club Head - Ms. Sagarika Ghosh

Club Coordinator - Mr. Sukritya Verma

EVENT ORGANISED:

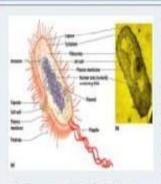
The Club had organised a National Presentation and Video Making Competition on E.coli Bacteria. Many participants from all over India Participated.

Date of the Event: 12th Sep to 28th Sep, 2021.

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

DESIGNS OF THE PRESENTATION COMPETITION

Escherichia coli



German partieticism Theodox Escherich (1885). who discovered Bacterium Exchanging out.

- patients suffering from dumbes.
- E will a acqual floor of the month and intertine Protects the asterman tract from bacterial actions. Produces small assesses of vitagues
- Ecoli Colonges perform GE (Santo adminal) micr within hours after buth.

Exclientship yolf Classification

Demain Buttern

Kingdom: Excient

Phyliam Porcebusiness

Findly Engelshattenegar

Gener Zackerschie

Fig. Ultrastructure of Echerichic coll (E.cali)

Class: Guzzua Protecharteria

Order: Expendiacteristes

Species Zoammono (alt (E. cot))

Escherichia coli

- Excharactor cut are graze-negative fractions that indular the permissionless tract.
- □ Facultative asserobic rots (possessing both a fermentative and responsive metabolism).
- Aerokic and figultative approbactoria.
- ☐ Excitoração cofe cells ao typically 1.1—1.5 µm widelyy 2.-6 µm long and occur as single swaight code.
- They can be exher motile with perimichous flagella or nonmotile.
- Non-spore-forming bacteria, some produce polysaudaride capades.
- Of Common cases of acute university that infections as sell as reliany tract upon
- Zicherchie oh mor also come unte enterito in linnam er vell se sumali ant in a general carrie of "travelle's diaption", a dysestery-like disease affecting luminos, and harmontagic colitis often referred to su 'Woody diselves'
- Transmitted via fixed, writer and densit pressus to pressus contest.
- D Exclavioles cell in natural environments will undestreelly be sided through its stillity to grow as a
- 2 Excherichia cot isolated and abundled in durchangenic stool sumple of children order five year. Growth characteristics:
- f. Nutriest ages: Colonies we large, firek, most, mosofs, spaque or partially translatent discs.
- 2. MoCaresky agaic Bright pink due to laction fermination.
- J.EMD(Leolne methylene blue) agar Blue and violent solonies with metalic som-Antigenic literactions

O or cellwell antigen H or fagella eatigen K or capsular antigen Pathogenic strain of Discheagenic E.coli:

- Extensionmenthagin E-red
- Enterotoxipenic Eurih
- Extensionarive E cold. Entropellogenic d'ordi





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

DEC.	POPULATION OF SUR.	MICAN		NO CHARLETTERS OF THE THE	RHIENI
IPDC .	Plands suffers and rightens of territoring constrate	CNobes water Karthin consumb with randing sel law-grade firms	Area-end	I Saturna in both report and expectal EPEC natures I Brasille farming job (MPF); oute an array of EPEC extract	Kape (1994)
BREC	Children and arbitra resistancian	Wenty dusting following by group bloody dusting, with little or on form Depository Democracy colons (NC) and Discontings colonic resolution (DED)	Fred-mail	5 Ninga resus (Stal and Stall) 5 Institutes	Trans au Ages (1998)
inc	Children is an elegand construe, and constant is time seen.	Wenty distribut smalls ordiner thous, ends for or and treating to minutely of case.	Fred one	1 Coloniano, Retan. 1 Yes retendence, CF and NY (in femal of STp or STK	Home and Keywo (1968) Quito et al (200)
BARC	Chedron are inferts voridivade	Personne ranny annual Shoots or one bloods district, well not grade inversed later of to-marking	feder	I Aggregative adherence flutures (Aut) 2 Maries regulates of TLAEC posteral restaura fluture (Agg/E), metholog CVTHAIL	Make and Espec (1996) Copposer or al (2001) Houng et al (2006)

MOLECULAR METROR OF DETECTION ion of different rypes of DEC to PCR.

med NCR princes					
SMAT STRAIN	PRINTER ARGUMENTS	EARCY,S			
Esterajo Regres E. seli straco		-			
Enternio conserts gir A. spill (ERREC)	THE STREET STREET	-			
Esteron Mpone E-rost (E-EE)	PERSONAL PROPERTY OF THE PERSON NAMED IN THE P				
Ephrong gregative Z. rplf (E.AEC)	Village State Control of Control	medi med			

POLYMERASE CHAIN REACTION

- Property most in PCE query disters a characteristic tracking factor as well as attlerance:
- BCR many are thousand to detect present please of a portrolly gone

MESTILE

The PCE mate on GOC DARC are horogeneous married pathogen allowing all visibles mades fro you of ages.

- THEATMENT Builting adults used as measured because of will
- there of pring \$2.5 become application desired for charge of pring \$2.5 become application desired the bacterial reli well, carrieg from to DESCRIPTION OF STREET, STREET, STREET,
- there east restment printer the replacement of that and electricities in test or precent

- Nature Bl. Laper 79 Thornwayner Extends on Clin Merchant Rev. 1909; 17:1421-200

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.



MICROOLYMPIAD COMMITTEE

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

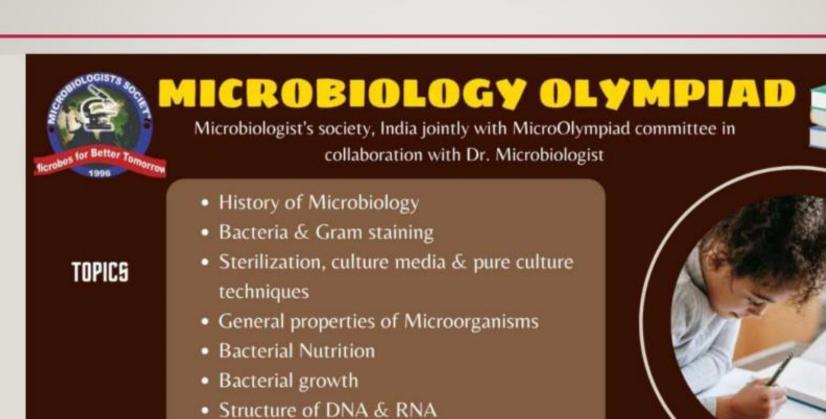
Chairman of the Committee - Dr. Fr. Prabhat K. Soreng

EVENTORGANISED:

On 15th 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





Industrial Microbiology
 REGISTRATION FEES- INR 100

Medical Microbiology

Immunology

https://forms.gle/eP9mwVE CEVsbP4du6

WINNERS OF THE OLYMPIAD:

- 1. Rank 1 was awarded to Ms. Shabina Khan from SIWS 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)

- 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.

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



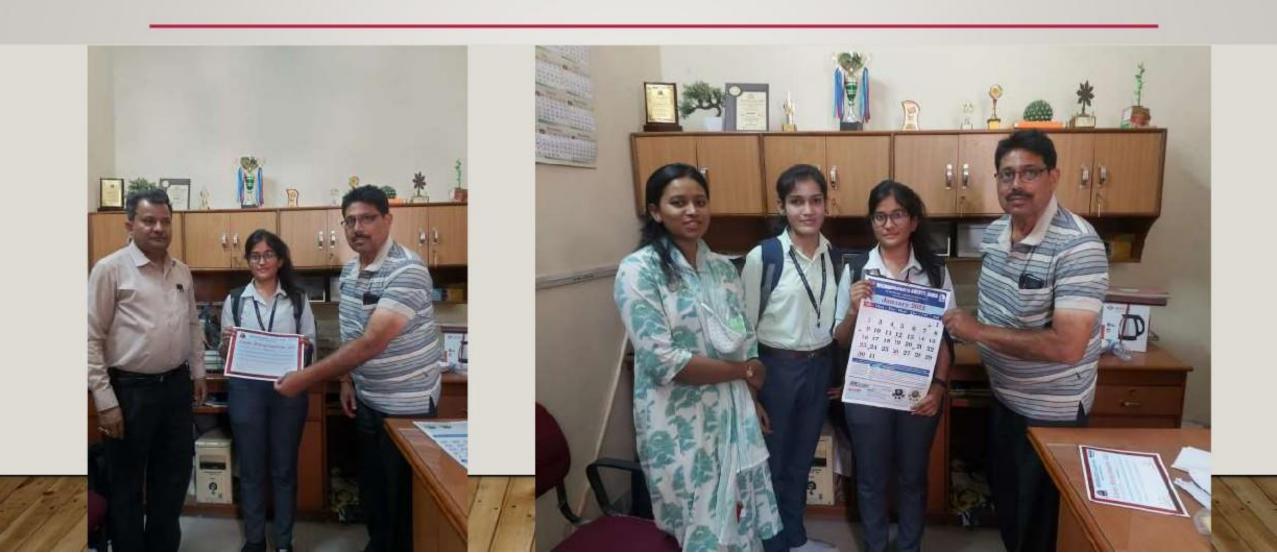
CALENDAR MAKING COMPETITION

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



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



Microbiology Society, India

President Dr. A M Deshmukh

(Reg.No. MAH/4814/SATO)



MARTINUS BEIJERINCK

(16th 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

(10th January 1729 - 12th February 1799) known for Digestion Animal fortilisation Discrediting spontaneous generation Animal echolocation. Italian Catholic priest, biologist and physiologist who made important contribution to the experimental study of biogenesis.



EDWARD JENNER

(17th May 1749 - 26th January 1823) English physician and scientist who pioneered the concept of vaccines including creating the smallpox vaccine, the world's first vaccine.



(7th February 1871 - 25th January 1957) aparese physician and bacteriologist. Occupation : Medical Researcher Known for : Discovery of Shigella.



MAX THEILER



(30" January 1899 - 11" 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/4814/5ATO)



Robert Koch

(11 December 1843 - 27 May 1910) Dr Robert Koch was a pivotal figure in the goden 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 1885 - 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 data of entry into force of the Convention of Biological Diversity), was designated the international day for biological diversity.





THE SOCIETY AWARDED MICROWEBAS THE BEST CLUB OF THE YEAR 2021-22

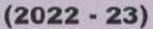


SECOND MBSI UNIT OF ST. XAVIER'S COLLEGE, RANCHI, JHARKHAND CHAPTER ESTABLISHED ON 4TH APRIL, 2022.



MICROBIOLOGISTS SOCIETY, INDIA ST.XAVIER'S COLLEGE, RANCHI

OFFICE BEARERS





President: Riya Gupta



Vice President: Tashu Natasha kisku



Secretary: Sharanya Karmakar



Joint Secretary: Akriti Kumari



Program Officer: Bhumi



Treasurer: Sheetal P. Topno





RANGOLI COMPETITION

On 22nd 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 along with 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



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:

TIME DURATION - I HR. (3-4 P.M.)

Z.THE RANGOLI ART SHOULD BE OF 4×4 FT.

3.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 GIVE

1. MERIT CERTIFICATES AND TROPHIES TO FIRST THREE WINNERS.

2. PARTICIPATION CERTIFICATES FOR ALL.

RESULT DECLARATION ON 25TH APRIL DURING MSI WERINAR

FOR QUERIES, CONTACT: RIYA(9835627116) SHARANYA(8918989279)



MICROBIOLOGISTS SOCIETY of ST. XAVIER'S COLLEGE, RANCHI



JUDGES OF THE RANGOLI COMPETITION (WORLD EARTH DAY)

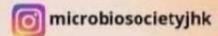


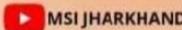
Dr. Akanksha Choudhary MDS (Periodontology and Oral Implantology), PGDCC.

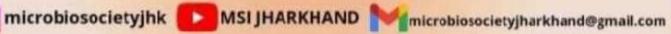


Prof. Zakir Hussain (LECTURER, Government Teachers Training College Kanke, Ranchi)

JUDGES OF THE EVENT







JUDGES AND
STUDENT
COORDINATORS
IN FRONT OF
RANGOLI





MICROBIOLOGISTS SOCIETY OF





CONGRATULATES



Ms.DIKSHA KUMARI



Ms. SHAMILA BARAIK















MICROBIOLOGISTS SOCIETY OF





CONGRATULATES



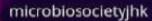
Ms. SURBHI KUMARI



Ms. SHRISHTI DADEL













MICROBIOLOGISTS SOCIETY OF





CONGRATULATES



Ms. PALLAVI



Ms. SHREYASHI









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







WINNERS' RANGOLIS





GIROUP-20



WEBINAR ON WORLD MALARIA DAY

The Unit organised a National Webinar on World Malaria Day.

Date of the Event: 25th 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

- 1. Speaker 1 Dr. Dhiraj K. Nanda, Professor from AIPH 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.

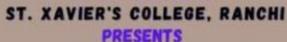
Organising Secretary: Ms. Riya Gupta, BSc. Student, St. Xavier's College, Ranchi.

BROCHURE OF THE WEBINAR



MICROBIOLOGISTS SOCIETY, INDIA. JHARKHAND UNIT

in association with



NATIONAL WEBINAR ON **WORLD MALARIA DAY**



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



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



DR.AJAY K. SRIVASTAVA (PRESIDENT, MSI. JHARKHAND UNIT)



SWARANJIT SINGH (DIRECTOR, SAS FREE POLYCLINIC, MOHALI)



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



RIYA GUPTA (PRESIDENT, MSI STUDENT UNIT)



RESOURCE PERSON 1: DR. DHIRAJ K. HANDA (PROFESSOR, AIPH UNIVERSITY,



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

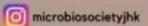


SHARANYA KARMAKAR (SECRETARY, MSI, STUDENT UNIT)

DATE: 25TH APRIL, 2022

TIME: 6PM - 9PM

VENUE: GOOGLE MEET





MSI JHARKHAND



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: 14th 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.

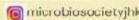
The event was completely held in Online Mode and participants from all over India actively participated in the event.

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



BROCHURE OF THE EVENT





WINNERS OF THE COMPETITION



MICROBIOLOGISTS SOCIETY OF





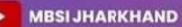
CONGRATULATES



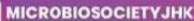
MS. ADITI KUMARI

WINNER OF BEST COMMENT COMPETITION

RANK 1











MICROBIOLOGISTS SOCIETY OF

ST. XAVIER'S COLLEGE, RANCHI



CONGRATULATES



MS. GAARGIE MODHALE

WINNER OF BEST COMMENT COMPETITION

RANK 2









MICROBIOLOGISTS SOCIETY OF





CONGRATULATES



MS. KAJAL SONI

WINNER OF BEST COMMENT COMPETITION

RANK 3









QUIZ CONTEST ON BLOOD DONAR DAY

On 14th 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.



BROCHURE OF THE COMPETITION

WINNERS OF THE COMPETITION



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



HARMU HOSPITAL AND RESEARCH CENTRE

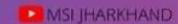
CONGRATULATES



VINIT KUMAR JHA

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







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



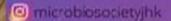
HARMU HOSPITAL AND RESEARCH CENTRE

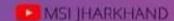
CONGRATULATES



ASHA KUMARI GUPTA

WINNER OF QUIZ COMPETITION ON WORLD BLOOD DONOR DAY









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



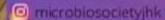
HARMU HOSPITAL AND RESEARCH CENTRE

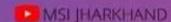
CONGRATULATES



JAHANVI RAJ

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







INTERNATIONAL WEBINAR ON MOLECULAR BIOLOGY

On 18th 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

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.

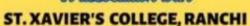
Host of the Event: Ms. Anisha Roy, an Industrial Biotechnologist from West Bengal.

BROCHURES OF THE WEBINAR



MICROBIOSOCIETY, INDIA **JHARKHAND UNIT**

in association with



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)

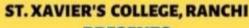


CHIEF ORGANISER: Dr. AJAY K. SRIVASTAVA (PRESIDENT, MBSI, JHARKHAND UNIT)



MICROBIOSOCIETY, INDIA **JHARKHAND UNIT**

in association with



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)

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



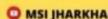
ORGANISER: RIYA GUPTA (PRESIDENT, MBSI, STUDENT UNIT)

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

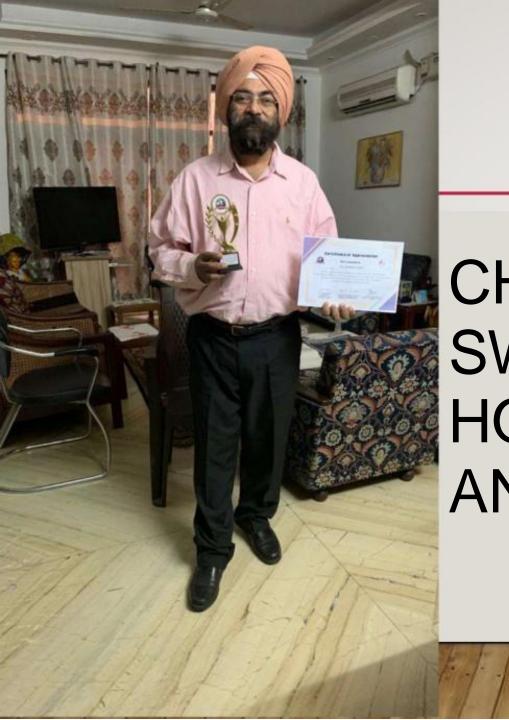




📵 microbiosocietyjhk 🔘 MSI JHARKHAND 🔀 microbiosocietyjharkhand@gmail.com



microbiosocietyjhk MSI JHARKHAND microbiosocietyjharkhand@gmail.com



CHAIRPERSON DR. SWARANJIT SINGH HOLDING THE MEMENTO AND CERTIFICATE

POSTER WITH SLOGAN COMPETITION

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

Date of the Event: 26th 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.

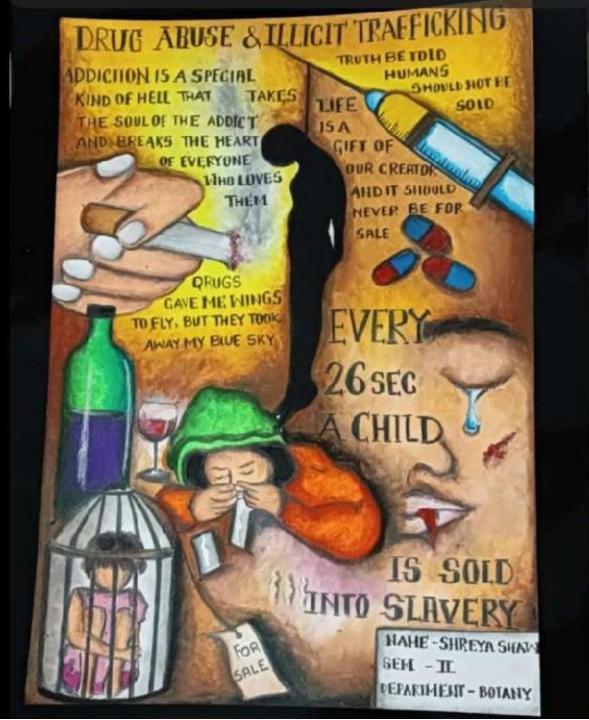


BROCHURE OF THE EVENT

WINNERS OF THE COMPETITION

- 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.

WINNERS' POSTERS WITH SLOGANS







WINNERS GETTING CERTIFICATES AND MEMENTOS





MICROBIOLOGISTS SOCIETY, INDIA, JHARKHAND UNIT

Instagram Page ID - microbiosocietyjhk

Youtube Channel Name - MBSI JHARKHAND

Email ID - microbiosocietyjharkhand@gmail.com

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

THANK YOU