



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Department of Biotechnology & Food Processing Technology

A) A SUMMARYREPORT

| | | | | |
|--|---|---------------|--------------|----|
| 1) Title of Programme: | BIOINSIGHT-National level Student Poster Competition-2021 on the theme "Future of STI: Impacts on Education, Skills and Work" | | | |
| 2) Name of Organizing Department/Unit: | Biotechnology& Food Processing Technology | | | |
| 3) Name of the Coordinator(s)/ Convener(s)/ Organizer(s) of the Programme: | : ChiefOrganizer: Dr. Mahadev Gavhane (Principal) : Joint-Organizer(s): Dr. A. J. Raju(Vice-Principal) Prof. S. N. Shinde(Vice-Principal) :Convener: Dr. Sachin Kulkarni : Organizing Secretary: Miss. M. A. Dhotre & Mr. S. D. Kadam | | | |
| 4) Date(s) of the Programme: | 4 th - 8 th of March 2021 (Round I, Round II, Final Round) | | | |
| 5) Venue/ Mode: | Online ZOOM Platform | | | |
| 6) Target Group: | UG and PG students | | | |
| 7) Number of Participants: | Male | Female | Total | |
| A separate list with signatures be maintained in the department/Unit) | Teaching | 05 | 04 | 09 |
| | Non-Teaching | 00 | 00 | 00 |
| | Students | 09 | 18 | 27 |
| 8) Name(s) and details of Resource Person(s), if any: | Mr.R.A.Andhare (Assistant Professor,Shivneri Mahavidyalaya ShirurAnantpal) Dr.G.A.Ghugare (Assistant Professor Guru Nanak College of Science, Ballarpur) | | | |
| 9) Total Expenditure for the Programme: | Rs 4700/- | | | |
| 10) Source of Funding: | College and registration fee | | | |

B) Report

i. Title

BIOINSIGHT-National level Student Poster Competition-2021 on the theme "Future of STI: Impacts on Education, Skills and Work"

ii. Introduction

Posters offer a universal platform for communication and have been utilized for decades to provoke, promote, celebrate & stimulate the Research Aptitude. Students from life sciences (Botany, Microbiology, Zoology, Biotechnology, Pharmacy, Food Technology, Agriculture) are invited to participate in the BIOINSIGHT-National Level Student Poster Competition- 2021. This Competition provides an excellent platform to Under Graduate & Post Graduate students to gain an appreciation for their innovative ideas.

iii. Objective of the Poster Competition "BIOINSIGHT" 2021

- To provide a platform for students to present their creativity on given theme.
- To help students to develop skills in effective communication for dissemination of research information
- To provide a chance to recognize and receive appreciation

iv. Details of Participants

27 Students (Male 09 and Female 18)

v. Brief Summary of Events/ Session

"BIOINSIGHT" a National level student poster presentation competition was organized on the occasion of National Science Day Celebration. This year due to COVID-19 pandemic situation we have organized this competition on online ZOOM platform. The internal assessment member Mr. U. P. Sirdeshmukh, Mr. A. J. Waghmare and Mr. S. S. Kshirasagar shortlisted top 10 posters out of 27 posters which then evaluated by external examiners. For this competition two examiners Prof **R. A. Andhare** (Assistant Professor, Shivneri Mahavidyalaya Shirur Anantpal) and **Dr. G.A.Ghugre** (Assistant Professor Guru Nanak College of Science, Ballarpur) examined all the selected posters from round I and in the final round top 3 winners with two consolidated prizes were announced.

Rules for Selection of posters:

Round I: [04th to 05th March 2021] All the posters will be judged by examiners on the basis of relevance of theme, originality, artistic composition & creativity. From round I top 10 posters will be selected and they will be notified individually through SMS & e-mail.

Round II: [08th March 2021] All selected students should present poster on online platform on the day of competition.

Result: [08th March 2021] Top three winners will be announced.

Schedule and details of participants of program: -

| Name | Gender | Mobile No | Zoom time for presentation |
|-----------------------------|---------------|------------------|-----------------------------------|
| Pratap kakasahebdisle | Male | 8669076075 | 11.00 to 11.10 |
| Shraddha sanjaykankal | Female | 7588332122 | 11.10 to 11.20 |
| DivyaDattatreyaNagapure | Female | 8605973082 | 11.20 to 11.30 |
| Gayatri udayshinde | Female | 9049789729 | 11.30 to 11.40 |
| Aishwarya GurudevUbale | Female | 8623907855 | 11.40 to 11.50 |
| Renuka Ashok Patil | Female | 9011634720 | 11.50 to 12:00 |
| pratikshasuryakantgunale | Female | 9359165957 | 12.00 to 12.10 |
| Rahul ShankarraoGirigosavi | Male | 7719918033 | 12.10 to 12.20 |
| Abhijeet chakradhar lahade | Male | 8329138003 | 12.30 to 12.40 |
| Ashish GangaramDhulshette | Male | 7385475864 | 12.40 to 12.50 |
| MahalingeSanghmitra Balaji | Female | 7028543895 | 12.50 to 1:00 |
| Lunch Break | | | |
| Aayushi Gupta | Female | 9469285246 | 2.00 to 2.10 |
| Amruta MangeshraoNaigaonkar | Female | 9096597584 | 2.10 to 2.20 |
| Mrunalmansingjadhav | Female | 9284180707 | 2.20 to 2.30 |
| Kirti Satish Jadhav | Female | 8177897551 | 2.30 to 2.40 |
| Keshav Govind sarwade | Male | 08329996089 | 2.40 to 2.50 |
| Vivek Dilip Shinde | Male | 9579431312 | 2.50 to 3:00 |
| Kamakshi Rajkumar Tarwadge | Female | 7796011972 | 3.00 to 3.10 |
| Ishwari Ashok Warad | Female | 8329780081 | 3.10 to 3.20 |
| Rushikeshupendra parge | Male | 8412845608 | 3.20 to 3.30 |
| Vaishnavi GundajiRupnar | Female | 9673079779 | 3.30 to 3.40 |
| Shambhavi Somnath Sankaye | Female | 8010818878 | 3.40 to 3.50 |
| shelkeParvati Balu | Female | +919529623455 | 3.50 to 4.00 |
| Shelke Digambar Balu | Male | 8010559154 | 4.0 o 4.10 |

Winners of the National Level Student Poster Competition

| Sr. No. | Name of Participants (Winners) | Marks obtained out of 100 | Remark |
|----------------|---------------------------------------|----------------------------------|---|
| 1 | Miss Aayushi Gupta | 85 | First Prize of 2100/- cash and a trophy with certificate of appreciation. |
| 2 | Miss Vaishnavi GundajiRupnar | 78 | second prize of 1500/- cash, trophy and certificate |
| 3 | Miss Gaytri Uday Shinde | 75 | third prize of 1100/- cash, trophy and certificate |
| 4 | Miss. Shraddha sanjayKankal | 69 | I Consolidated Prize |
| 5 | Mr. Rahul ShankarraoGirigosavi | 65 | II Consolidated Prize |

vi) **Conclusion, with Feedback on the Programme**

On the occasion of National science day Department celebrated Bio insight 2021. Participants from various branches of science gave positive feedback as this competition provides a platform for the students to present their ideas, creativity, to improve their communication skill and scientific concepts on given theme.

Vii) **Appendix:**

List of Participants


Date: 9March2021



Signature of HoD

Head

Department of Biotechnology
Rajarshi Shahu Mahavidyalaya,
(Autonomous) Latur-413 531

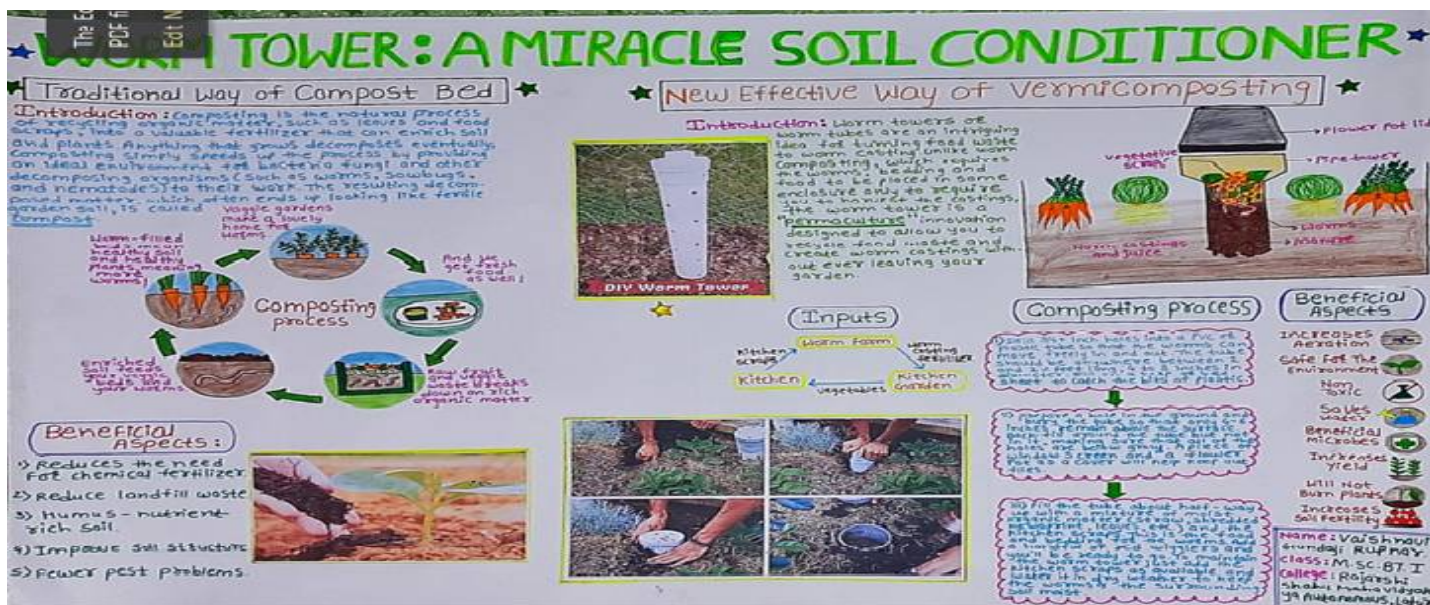


Principal

C) Geotagged Photographs/ screenshots:



Miss. Ayushi Gupta secured I prize in Bioinsight 21



Miss. Vaishnavi G Rupnar Secured II prize in Bioinsight 21



Most appreciated poster in Bioinsight 2021

GASIFICATION (Waste to Energy)

Waste-to-Energy is the process of generating energy in the form of electricity and/or heat from the primary treatment of waste, or the processing of waste into a fuel source. There are various methods of waste-to-energy, but the primary ones are:

- Gasification
- Incineration
- Plasma arc gasification
- Pyrolysis

Gasification 1: Gasification is the unique process that transforms a carbon-based material, such as biomass into other forms of energy without actually burning it. Instead, Gasification converts the solid and liquid waste material into a gas through a chemical reaction. The products used for Gasification process are air, steam and pure O₂ or mixtures of these gases.

It is the process that converts carbonaceous material at high temp. (2000°C) without combustion, with a controlled amount of oxygen and steam to carbon monoxide, hydrogen and carbon dioxide.

Products of Gasification: There are two products of Gasification, and they are:

- The main product of Gasification is Syngas.
- It is also known as synthetic gas.
- The 2nd product of it is Char which is finer component of gasifier solid residue composed of unreacted carbon with various amount of silicates ash.

Applications:

- The main application of syngas is electricity generation.
- Syngas is combustible and can be used as fuel of internal combustion engines.
- Syngas is crucial intermediate source for production of hydrogen, methanol, ammonia and synthetic hydrocarbon fuel.
- Syngas has ability to replace natural gas as a clean energy source.
- The products of such clean, renewable and renewable sources than natural gas.
- Ash which remains in gasifier can be recycled and also used as agricultural soil source.

Advantages: Gasification is used to generate energy which is cheaper and more efficient than other means of production. It is environment friendly as it produces less greenhouse gas than other means. It produces high purity and very clean syngas. It produces less ash than other means. It produces less greenhouse gas than other means. It produces less ash than other means.

Syngas 1: Synthetic gas (also known as syngas) is mixture of mainly CO & H₂ that is used as fuel gas but it produced from a wide range of carbonaceous feedstocks and is used to produce wide range of chemicals.

Composition of Syngas 1: Composition of syngas can vary depending on the feed stock. The typical composition of CO & H₂ in syngas is 10 to 15% hydrogen, 4 to 8% methane, 1 to 12% carbon dioxide plus lesser or greater amount of water vapour, ammonia, sulphur and other compounds.

Miss Shhrdha Kankal Secured 1 Consolidated Prize in Bioinght 21

D) Brochure Prepared for the Programme:

Shiv Chhatrapati Shiksha Sanstha's
RAJARSHI SHAHU MAHAVIDYALAYA (AUTONOMOUS), LATUR
NAACA accredited (Til rd Cycle) "B++" Grade with 259 CCPA, CPE status by UCC and DST-FIST support
 ISO : 9001-2015 (QMS) Certified

DEPARTMENT OF BIOTECHNOLOGY & FOOD PROCESSING TECHNOLOGY

BIOINSIGHT

National Level Student Poster Competition-2021

Theme
‘Future of STI: Impacts on Education, Skills and Work’

Posters of top 3 winners will be displayed on <https://www.rajarshishahucollegeofbiotech.com/>
<https://www.rajarshishahucollegeofbiotech.com/rajarshishahu10888>

PRIZE

The top 3 entries will be awarded cash prizes and certificates.

First Prize : 2100 INR & Certificate
Second Prize : 1500 INR & Certificate
Third Prize : 1100 INR & Certificate

:Chief Organizer :

Dr. Mahadev Gavhane (Principal)

:Joint-Organizer :

Dr. A. J. Raju (Vice-Principal) Prof. S. N. Shinde (Vice-Principal)

:Convener :

Dr. Sachin Kulkarni (Head, Dept. of Biotechnology)

:Organizing Secretary :

Miss. M. A. Dhotre & Mr. S. D. Kadam

:Organizing Committee :

All Faculty members,
 Department of Biotechnology &
 Food Processing Technology

For Further Information Please Contact

9890901339, 8983875570, 9970849425

Registration Link

<https://forms.gle/TUeHbRvsvy9qrjTKw8>

Posters offer an universal platform for communication and have been utilized for centuries to provoke, promote, celebrate & stimulate the Research Aptitude. Students from life sciences (Botany, Microbiology, Zoology, Biotechnology, Pharmacy, Food Technology, Agriculture) are invited to participate in the 7th State Level Student Poster Competition-2021(Online). This Competition will provide an excellent platform to Graduate & Post Graduate students to gain an appreciation for their innovative ideas. All students are invited to send your posters online and join us on virtual platform. We hope to see you there!

Rules of Poster Making Competition

- 50 Each participant can submit only one poster.
- 50 Online registration is compulsory for each participant.
- 50 The size of poster should be 1M * 1M with margins drawn with black pen/ marker.
- 50 It should be original and hand made.
- 50 Name and class of the participant, College name must be clearly mentioned on the right-hand side bottom of the sheet.
- 50 **SUBMISSION FORMAT:** Every participant has to submit the picture of the poster in PDF format on the given registration form on or before 05th March 2021 after that it will not be acceptable.
- 50 **Selection Procedure:**
 - 50 **Round I:** [04th to 05th March 2021] All the posters will be judged by examiners on the basis of relevance of theme, originality, artistic composition & creativity.
 - 50 From round I top 10 posters will be selected and they will be notified individually through SMS & e-mail.
 - 50 **Round II:** [06th March 2021] All selected students should present poster on online platform on the day of competition.
 - 50 **Result:** [08th March 2021] Top three winners will be announced.

Confirm your entry on or before 05th March 2021 (Revised Date) Registration Fee: 50 INR per Student.
 Payment Details:- Account Number: 8576201000110 IFSC Code: CNRB0008576

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
 Department of Biotechnology and Food Processing Technology
 Bioinsight-National level Student Poster Competition-2021
 on the theme "Future of STI: Impacts on Education, Skills and Work"

List of Students

| Sr. No | Full Name | Gender | Class | Name of College/University |
|--------|---------------------------------|--------|-------------------------------|--|
| 1 | Gayatri uday shinde | Female | Bsc 1 year | Yashwantrao Chavan science college Karad |
| 2 | Aayushi Gupta | Female | 2nd Year BSc.Biotechnology | P.E.S.ModernCollege of arts, science and commerce, Ganeshkhind,Pune |
| 3 | Rahul Shankarrao Girigosavi | Male | M.Sc 2 Microbiology | Yashwantrao Chavan college of science, Karad |
| 4 | Mrunal mansing jadhav | Female | MSC 1 Microbiology | Devchand college, Arjunnagar |
| 5 | Khan Mujahed Afzal | Male | Assistant Professor | College Of Agriculture Business Management, Latur |
| 6 | Aishwarya Gurudev Ubale | Female | BscBt 3rd yr | Rajarshi Shahu Mahavidyalaya (Autonomous)Latur |
| 7 | Renuka Ashok Patil | Female | MscBt first year | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |
| 8 | Pooja Machindra Samukhrao | Female | BSC BT 1st_year | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |
| 9 | Prati kshasuryakant gunale | Female | Msc.BT 1yr | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |
| 10 | Kirti Satish Jadhav | Female | Bscbt third year | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |
| 11 | Abhijeet chakradhar lahade | Male | BSC bt 3rd yr | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |
| 12 | Ashish Gangaram Dhulshette | Male | BSC 3 rdYr | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |
| 13 | Mahalinge Sanghmitra Balaji | Female | BSc BT second year | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |
| 14 | Amruta Mangeshrao Naigaonkar | Female | BSc BT III yr | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |
| 15 | Keshav Govind sarwade | Male | BSC BT TY | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |
| 16 | Vivek Dilip Shinde | Male | Bsc BT 3rd year | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |

| | | | | |
|----|---------------------------------|--------|----------------------------|--|
| 17 | Kamakshi Rajkumar Tarwadge | Female | T.y. Bsc biotechnology | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |
| 18 | Shraddha sanjaykankal | Female | Bsc BT 2nd year 4th sem | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |
| 19 | Divya Dattatreya Nagapure | Female | B.Sc.Third Year | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |
| 20 | Ishwari Ashok Warad | Female | Bscbt. 2nd yr | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |
| 21 | Rushikesh Upendra Parge | Male | 2nd yr | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |
| 22 | Vaishnavi Gundaji Rupnar | Female | M.sc.BT 1st | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |
| 23 | Shambhavi Somnath Sankaye | Female | Bsc.Bt second year | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |
| 24 | shelke Parvati Balu | Female | B.Sc. Bt3rd year | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |
| 25 | Shelke Digambar Balu | Male | B.Sc. Bt1st year | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |
| 26 | Amruta Mangeshrao Naigaonkar | Female | Bsc BT III yr | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |
| 27 | Pratap kakasaheb disle | Male | Bscbt third year | Rajarshi Shahu Mahavidyalaya (Autonomous) Latur |

Date : 9 March 2021


HOD
Head

Department of Biotechnology
Rajarshi Shahu Mahavidyalaya
(Autonomous) Latur-413 531


Principal
PRINCIPAL

Rajarshi Shahu Mahavidyalaya
(Autonomous), Latur

