



SIES College of Arts, Science and Commerce. Autonomous.

Sion West. Mumbai 40002

- **Title of the Activity: Participation in the 16th Intercollegiate Avishkar Research Convention**
- **Date and Time:** 2nd May 2022 (PG) and 15th May 2022 (UG).
- **Aims/Objectives:** Guided and assisted the participation of 34 students in the 16th Avishkar Research Convention 2021-22 conducted by Department of Students' Development, University of Mumbai.
- **Location:** Online
- **Participants:** 28 Research Proposals involving 34 student participants from Undergraduate and Postgraduate levels participated in the Avishkar Research Convention 2021-2022.
- **Outcome:** A total of 8 Research Proposals were selected for the Zonal Level Final rounds, where the students presented their proposals online on Monday, May 2, 2022 (PG) and Sunday, May 15, 2022 (UG).
 - The following students secured ranks in the Final rounds of 16th Avishkar Research Convention 2021-22, organized on a Virtual Platform by University of Mumbai.
 - Ms. Mansi Rawat mentored by Mr. Pramod Ananda Kamble secured third rank in Agriculture and Animal Husbandry category, PG level.
 - Ms. Akshaya Ajay Bhosale mentored by Dr. Pallavi Roy secured third rank in Pure Sciences category, PG level.
 - SIES College of Arts, Science and Commerce, Sion (W) was awarded Overall Championship in the 16th Avishkar Research Convention 2021-2022 from Mumbai University in Zone-II.

Annexure 1: Notice /Brochure

16th Inter-Collegiate Avishkar Research Convention (2021-22) (On Virtual Platform)

Selection round

- In the selection round, the research proposal are invited online.
- Participants will submit the detailed Research Proposal through the Registration form, which will be uploaded by the teacher coordinators on the Avishkar Portal

Format of the Research Proposal

Click here to upload Research Proposals

For Additional information visit the link:
<https://unimumbaihd.com/docs/AVS-Rules-and-Regulations-2021-22.pdf>

Certificate of Participation will be awarded to the Student participants and Mentors

Categories / Disciplines

Category 1: Humanities, Languages and Fine Arts

Category 2: Commerce, Management and Law

Category 3: Pure Sciences

Category 4: Agriculture and Animal Husbandry

Category 5: Engineering and Technology

Category 6: Medicine and Pharmacy

Levels

Level 1: Undergraduate Students (UG)
Level 2: Postgraduate Students (PG)
Level 3: Post PG Students (PPG)
Level 4: In-service Teachers (TI)

- ◆ Students from any discipline can participate in any category to which their research proposal fits
- ◆ Student can not participate in more than one group
- ◆ Student can present their research proposal in English, Marathi or Hindi language
- ◆ Maximum of 4 Participants in UG and 2 participants in PG category per proposal

Final Round

Students whose research proposals are selected for final round will be invited for online presentation in front of jury panel

[Details about the presentation](#)

For further queries contact the Teacher Coordinators:

Humanities, Languages, Fine Arts, Commerce, Management and Law:

- Ms. Shama Todarkar : Mobile-09619822245, E mail- shamat@sies.edu.in
- Mr. Ajinkya Galwad : Mobile-09833298262, E mail- ajinkyag@sies.edu.in

Pure Sciences, Agriculture, Animal Husbandry, Engineering Technology, Medicine and Pharmacy:

- Dr. Subi Yousuf : Mobile-09869502260, E mail- subiy@sies.edu.in
- Dr. Pallavi Roy : Mobile-09030909788, E mail- pallavi@sies.edu.in
- Dr. Kirikumar Badgajar : Mobile-9860180002, E mail- kkikumarc@sies.edu.in

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Annexure 2: Attendance record

Details of the Projects Presented:



University of Mumbai
Department of Students' Development

**16th Inter-Collegiate/Institute/Department Avishkar
Research Convention
AY-2021-22**

College / University Department: SIES College of Arts, Science and Commerce, Sion (W) (CODE:
2-09)
(Zone: Mumbai-2)

Consolidated Entry Form-II (for Registration of Research Proposal)

Category: Pure Sciences

Level: UG

| Sr.No | Research Proposal Title | Name | DOB | Class | Division | Roll No | PRN/PG Registration No. |
|-------|--|--------------------------|------------|-------|----------|-----------|-------------------------|
| 1 | Reinforcement of biodegradable polymer as a novel approach for tamarind shell valorization | Rane Surabhi (Presenter) | 18/03/2001 | TYBSC | C | TS2122523 | 2019016400400495 |
| 2 | Reinforcement of biodegradable polymer as a novel approach for tamarind shell valorization | Nadar Niev | 08/11/2000 | TYBSC | C | TS2122521 | 2019016400401684 |
| 3 | Reinforcement of biodegradable polymer as a novel approach for tamarind shell valorization | Srinivasan Ranjini | 28/07/2001 | TYBSC | C | TS2122524 | 2019016400402753 |
| 4 | Reinforcement of biodegradable polymer as a novel approach for tamarind shell valorization | Valanju Rekshanda | 30/06/2001 | TYBSC | C | TS2122522 | 2019016400400062 |

Level: PG

| Sr.No | Research Proposal Title | Name | DOB | Class | Division | Roll No | PRN/PG Registration No. |
|-------|---|---------------------------------|------------|-------------|----------|-------------|-------------------------|
| 5 | Influence of heavy metals on lipid production in microalgae | Das Anoushka (Presenter) | 05/10/1999 | MSC PART-II | - | FMBC2021002 | 2017016401995612 |
| 6 | Effect of stressful conditions on carotenogenic activity of Dunaliella salina | Manoj Anam karishma (Presenter) | 20/01/2000 | MSC BT | BT | SMBT2122011 | 2017016401625686 |



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Consolidated Entry Form-II (for Registration of Research Proposal)

| | | | | | | | |
|----|--|------------------------------------|------------|-------------|----|-------------|------------------|
| 7 | Studies integrating heavy metal bioremediation with biofuel production using the freshwater microalga <i>Scenedesmus</i> sp. | Jadhav Bhakti Ashish (Presenter) | 01/03/2000 | MSC BT | BT | SM8T2122004 | 2017016401625582 |
| 8 | Pelargonidin From Onion Peel: Formulation And Evaluation Of A Hair Dye | Acharya Prasida Satish (Presenter) | 19/07/1999 | MSC PART 2 | - | SM8C2122009 | 2017016401997112 |
| 9 | Valorization of walnut shells | Fakih Khadeeja Khalid (Presenter) | 08/03/1999 | MSC PART II | - | SM8C2122005 | 2017016401995426 |
| 10 | Mechanochemical approach to synthesis of xanthate esters via Chugaev elimination and its applications | Bhosale Akshaya Ajay (Presenter) | 17/04/1999 | MSC PART-II | - | SMOC2122002 | 2017016401997015 |

Category: Engineering and Technology

Level: PG

| Sr.No | Research Proposal Title | Name | DOB | Class | Division | Roll No | PRN/PG Registration No. |
|-------|--|-----------------------------------|------------|-------|----------|----------------|-------------------------|
| 11 | UTILIZATION OF FRUIT PEEL AS PREBIOTICS AND DEVELOPMENT OF SYMBIOTIC PRODUCT | jaiswal Sonali Rajesh (Presenter) | 19/08/1999 | M.SC. | I | Smmicro2122009 | 2017016401997151 |
| 12 | THE ANTIMICROBIAL EFFECT OF ORANGE ESSENTIAL OIL AND THEIR NANOEMULSION AND MICROEMULSION ON FOODBORNE PATHOGENS | Nair Haritha Ramesan (Presenter) | 21/03/2000 | M.SC. | I | Smmicro2122003 | 2020016401889982 |
| 13 | EDIBLE FILM OF CURRY LEAVES AND POMEGRANATE PEEL EXTRACT(PPE) AS ANTIMICROBIAL AND ANTIBIOFILM AGENTS | Mhatre Riddhi Vikas (Presenter) | 12/06/2000 | M.SC. | I | smmicro2122007 | 2017016401995682 |



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(Zone: Mumbai-2)

Consolidated Entry Form-II (for Registration of Research Proposal)

Category: Medicine and Pharmacy

Level: PG

| Sr.No | Research Proposal Title | Name | DOB | Class | Division | Roll No | PRN/PG Registration No. |
|-------|--|--|------------|------------|----------|----------------|-------------------------|
| 14 | Fermented rice water- an antioxidant rich elixir for healthy skin | Charles Mercy Pakiaselvi (Presenter) | 14/08/1999 | M.SC. | I | Smmicro2122004 | 2017016401997812 |
| 15 | Acne Preventative Effect of Fermented Papaya Leaf Extract | Anil kumar Revathi (Presenter) | 04/04/2000 | M.SC. | I | Smmicro2122006 | 2017016401996975 |
| 16 | Biofilm Inhibition by Peptide-Bionanoparticle Conjugate | Salla Hanikrishna Rajendra (Presenter) | 05/01/1999 | MSC BT | BT | SMBT2122008 | 201701640064922 |
| 17 | Antibiofilm activity of Turmeric Rhizome Extracts with Alum against infectious pathogen Pseudomonas aeruginosa | Martin Susan Samuel (Presenter) | 03/05/1999 | MSC BT | BT | SMBT2122023 | 2017016402292826 |
| 18 | IN-VITRO TRANSFERRIN CONJUGATED PLGA NANOPARTICLES LOADED DOXORUBICIN DELIVERY AND RELEASE INTO GLIOBLASTOMA | Vora Jesal Mahendra (Presenter) | 15/03/1999 | MSC BT | BT | SMBT2122010 | 2017016401625597 |
| 19 | Comparative Study between Antidepressants Fluoxetine and Fish oil on the Circadian Rhythm in Drosophila melanogaster | Nair Anagha Prakash (Presenter) | 17/06/2000 | MSC PART-I | A | FMBCH2122002 | 2018016400526531 |
| 20 | Comparative Study between Antidepressants Fluoxetine and Fish oil on the Circadian Rhythm in Drosophila melanogaster | Gurram Bhavana Shrinivas | 29/10/2000 | MSC PART-I | A | FMBCH2122003 | 2018016400526883 |



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Consolidated Entry Form-II (for Registration of Research Proposal)

Category: Agriculture and Animal Husbandry

Level: PG

| Sr.No | Research Proposal Title | Name | DOB | Class | Division | Roll No | PRN/PG Registration No. |
|-------|---|---|------------|--------|----------|----------------|-------------------------|
| 21 | Increasing concentration of vinegar using fruit peels as an alternative substrate for fermentation | tharakan Ankita Ramesh (Presenter) | 24/08/1998 | M.SC. | I | Smmicro2122002 | 2017016401996252 |
| 22 | Bacteriophage Isolation from fruit and vegetable wastes for its potential application in Biosanitization and Biocontrol | Khan Bushra khatoon Mansoor ahmed (Presenter) | 16/11/1999 | MSC BT | BT | SMBT2122005 | 2017016401625655 |
| 23 | Antimicrobial Study of Phytonanoparticles from Callus Extracts and Leaf Extracts: A Comparative Study | Dabhade Sayli Keshav (Presenter) | 08/09/1999 | MSC BT | BT | SMBT2122020 | 2017016400646713 |
| 24 | Evaluating the effects of Embelin from Embelia ribes on biofilm forming nosocomial infections | Shaikh Ramsha Mohammed rafique (Presenter) | 15/02/2000 | MSC BT | BT | SMBT2122018 | 2017016401644714 |
| 25 | Synthesis of Magnetite Nanoparticles from bark extract of plant Prosopis juliflora for oil spill removal | Yarukala Mamta Sathaiiah (Presenter) | 06/07/1998 | MSC BT | BT | SMBT2122014 | 2017016402180607 |
| 26 | Coir Nanofibers composite with Aloe vera Gel: Potential Use in Sanitary Pads | Rawat Mansi (Presenter) | 27/12/1999 | MSC BT | BT | SMBT2122015 | 2017016400645911 |

Category: Humanities, Languages and Fine Arts

Level: UG

| Sr.No | Research Proposal Title | Name | DOB | Class | Division | Roll No | PRN/PG Registration No. |
|-------|-------------------------|------|-----|-------|----------|---------|-------------------------|
|-------|-------------------------|------|-----|-------|----------|---------|-------------------------|



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(Zone: Mumbai-2)

Consolidated Entry Form-II (for Registration of Research Proposal)

| | | | | | | | |
|----|--|--|------------|----------------|---|-----------|------------------|
| 27 | Smart Cities-A Comprehensive Ecological Assessment | Thaker Nachiketa Rajesh (Presenter) | 06/09/2000 | THIRD YEAR | C | Ta2122444 | 2019016400398447 |
| 28 | Smart Cities-A Comprehensive Ecological Assessment | Menon Akhil Pradeep kumar | 12/08/2001 | THIRD YEAR | C | Ta2122425 | 2019016400393705 |
| 29 | Smart Cities-A Comprehensive Ecological Assessment | Saraf Parimal Prakash | 27/07/2001 | THIRD YEAR | C | Ta2122436 | 2019016400399795 |
| 30 | Impact of Working from Home on the Work-Life balance of women with children | Virk Jaskeerat Kaur (Presenter) | 06/07/2001 | THIRD YEAR | C | Ta2122460 | 2019016400396673 |
| 31 | Students and Stress: A study amongst grade X | Padharia Deep Bhavesh (Presenter) | 08/05/2002 | SECOND YEAR | C | Ss2122465 | 2020016401387753 |

Category: Commerce, Management and Law

Level: UG

| Sr.No | Research Proposal Title | Name | DOB | Class | Division | Roll No | PRN/PG Registration No. |
|-------|--|--|------------|--------|----------|-----------|----------------------------|
| 32 | Radio Media in the Contemporary Society: Advertising Avenues | Dabke Shruti Avinash (Presenter) | 11/07/2002 | SYBCOM | A | SC2122016 | 2020016401383836 |
| 33 | Bridging Trade Gap between India and Madagascar | Patel Kavita Bheraram (Presenter) | 01/06/2001 | TYBCOM | B | TC2122266 | 2019016400397235 |
| 34 | Exploring Trade Opportunities between India and Lesotho | Nair Swathi Narayanankutty (Presenter) | 20/05/2002 | TYBCOM | B | TC2122262 | 2019016400396874 |

The information given above is authentic and correct as per our record

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Teacher Coordinator

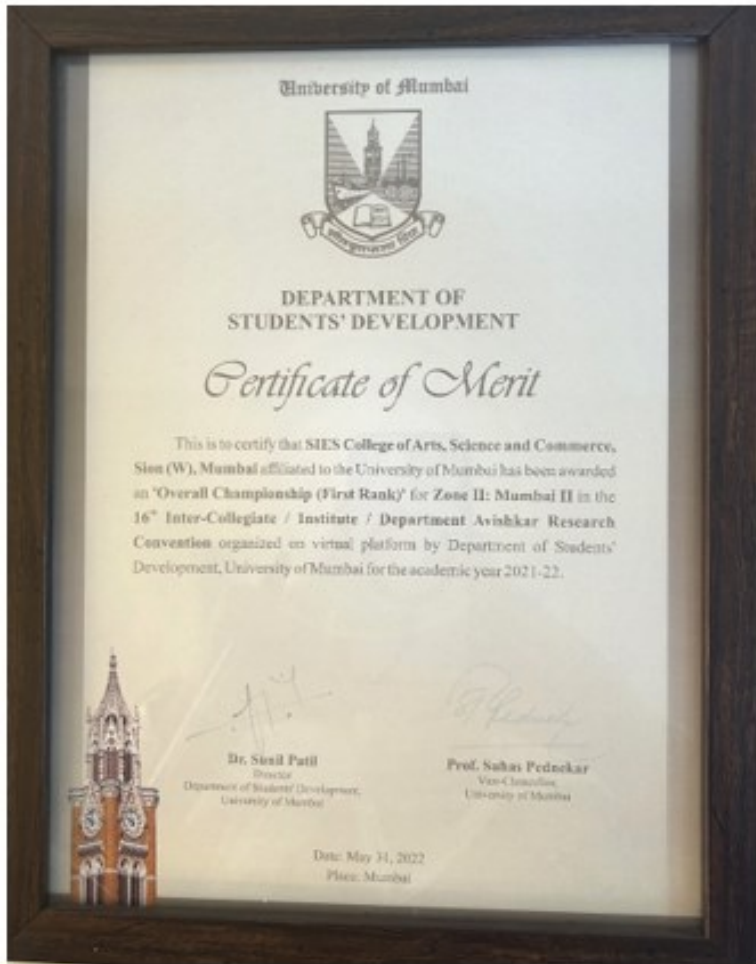
Date: 14.02.2022

College / University Department Seal



Surya
Principal / Head

Annexure 3: Photograph with Captions /Geotagged Photographs



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Signature of the Avishkar Co-ordinator:

Amal

Stamp and Signature of Principal:

College Seal

