

Shri Shivaji Education Society Amravati's

J. D. Patil Sangludkar Mahavidyalaya, Daryapur

Department of Physics

Extension Activity

Year 2022-2023

Inter-University Research Convention Avishkar

Details of Project:

Project Name- Vehicle Accident Prevention System (VAPS)	
Name of Students under this project:	1. Ku. Pratiksha A. Dharmale B.Sc.-II 2. Ku. Vaibhavi P. Kale- B.Sc.-II
Class:	B.Sc.- III PCM Group
Aim and Objectives of Project:	<p>Growth in population has led to growth in technology. People use car on large number and number of accidents taking place, is increasing day-by-day. Road accidents are undoubtedly the most frequent happening cases and overall, the cause of the most damage. There are many dangerous roads in the world like mountain roads, narrow curve roads, T roads. Some mountain roads are very narrow and they have many curves. The problems in these curve roads is that the drivers are not able to see the vehicle or obstacles coming from another end of the curve. If the vehicle is in great speed then it is difficult to control and there are chances of falling off a cliff. Hence there is a need of many road safety systems. To avoid these problems in curve roads of mountain areas, we have proposed this vehicle accident prevention system.</p>
Outcome of this Project:	<ul style="list-style-type: none">✓ Students identify causes of Road accident✓ Students identify remedies to avoid road accident .

Photograph:

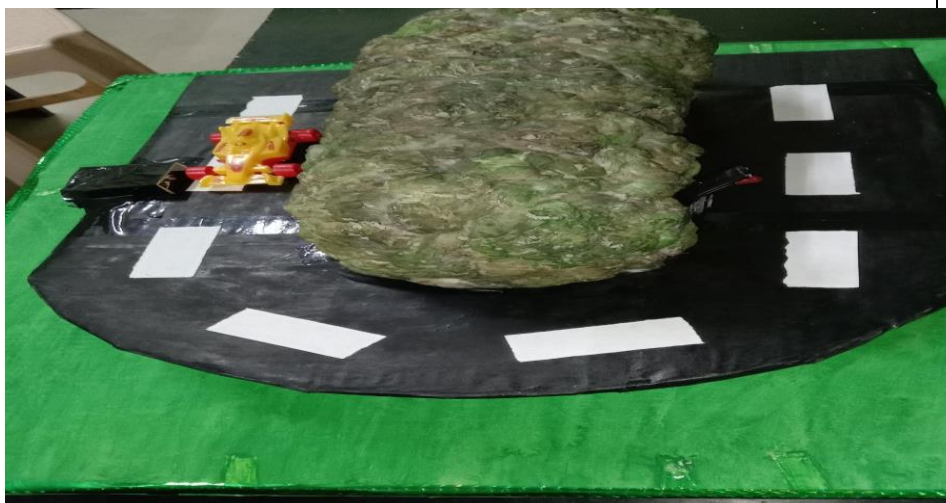


Photo: Project Model

Dr. Sushil D. Charpe

Assistant Professor
Department of Physics
J.D.Patil Sangludkar Mahavidyalaya
Daryapur

Sign of Project Supervisor



Principal
J.D.Patil Sangludkar Mahavidyalaya
Daryapur



Shri Shivaji Education Society Amravati's

J. D. Patil Sangludkar Mahavidyalaya, Daryapur

Department of Physics

Academic Session 2022-23

CERTIFICATE

This is to certify that Mr/Ms. **Pratiksha A. Dharmale B.Sc.-II (PCM)** has successfully completed the project entitled "**Vehicle Accident Prevention System (VAPS)**". He/she has completed the project under the guidance of **Dr. Sushil D. Charpe** and completed the project on dated **11 / 12 / 2023**.

Date: 12/12/2023




Dr. Sushil D. Charpe
Assistant Professor
Department of Physics
J.D. Patil Sangludkar Mahavidyalaya
Daryapur

Signature of Supervisor



Shri Shivaji Education Society Amravati's

J. D. Patil Sangludkar Mahavidyalaya, Daryapur

Department of Physics

Academic Session 2022-23

CERTIFICATE

This is to certify that ~~Mr~~/Ms. **Vaibhavi P. Kale- B.Sc.-II (PCM)** has successfully completed the project entitled **“Vehicle Accident Prevention System (VAPS)”**. He/she has completed the project under the guidance of **Dr. Sushil D. Charpe** and completed the project on dated **11 / 12 / 2023**.

Date: 12/12/2023




Dr. Sushil D. Charpe
Assistant Professor
Department of Physics
J.D. Patil Sangludkar Mahavidyalaya
Daryapur

Signature of Supervisor

Shri Shivaji Education Society Amravati's
J. D. Patil Sangludkar Mahavidyalaya, Daryapur

Department of Zoology

Extension Activity (Year 2022-2023)

Details of Project:

01. Project Name- Novel Pattern to study Human Anatomy	
Name of Students under this project:	1. Ruhi Sadaf
Class:	B.Sc.- I Micro
Aim and Objectives of Project:	<p>. Many courses will begin with the introduction of anatomical terminology and an overview of the cellular processes and tissue classifications. Students learn about the gross and microscopic anatomy of various body systems. Human anatomy courses will generally offer a laboratory component that parallels and reinforces concepts through the use of anatomical models. Generally most of the teachers used chart method for demonstrating particular anatomical structures. But the students are unable to study all view (Dorsal/ lateral). Present project has done to create Novel Pattern to study Human Anatomy. Teachers of rural area where other teaching aids are not available, internet facilities are not available , for them this model will be more informative and useful .This model will help students to understand detail anatomical structure ,its location and as we turn the pages it shows the detail of location organ and gives the feel live dissection . This model enable students to see ideas visually laid out in an organized way. Also, visual tools can help the students process content and to make connections more easily. Teachers can purchase to display around the classrooms and laboratory of graduation and post graduation .This model is cheap, easy to handle and movable.</p>
Outcome of this Project:	<ul style="list-style-type: none">✓ students will be easy to understand detail anatomical structure✓ Teachers can display around the classrooms and laboratory of graduation and post graduation

Photograph:



Photo of model

Link

<https://www.youtube.com/shorts/YTUB9KBy9w4>

IQAC Co-ordinator
J.D. Patil Sangludkar Mahavidyalaya
Daryapur



Principal
J. D. Patil Sangludkar
Mahavidyalaya, Daryapur



Shri Shivaji Education Society Amravati's

J. D. Patil Sangludkar Mahavidyalaya, Daryapur

Department of Zoology

Academic Session 2022-23

CERTIFICATE

This is to certify that ~~Mr~~/Ms **Ruhi Sadaf. B.Sc.-I (CBZ)** has successfully completed the project entitled “**Novel Pattern to study Human Anatomy**”. He/she has completed the project under the guidance of **Dr. Priti D. Diwar** and completed the project on dated **11 / 12 / 2023**.

Date: 12/12/2023




Dr. Priti D. Diwar
Assistant Professor
Department of Zoology
J.D. Patil Sangludkar Mahavidyalaya
Daryapur


Signature of Supervisor


Shri Shivaji Education Society Amravati's
J. D. Patil Sangludkar Mahavidyalaya, Daryapur

Department of Physics

Extension Activity (Year 2022-23)


Details of Project

01. Project Name- Fabrication of Supercapacitor from Old Used Clothes	
Name of Students under this project:	1. Dhanshri Ingle 2. Hrutuja Mohod
Class:	B.Sc.- III Physics
Aim and Objectives of Project:	Fabrication of Supercapacitor from Old Used Clothes, and applications for fabrication for supercapacitor
Outcome of this Project:	<ul style="list-style-type: none"> ✓ Students fabricated activated charcoal from old cloths ✓ Students fabricated supercapacitor prepared activated ✓ Students performed electrochemical characteristics of supercapacitor
Photograph:	 <p style="text-align: center;"><i>Photo: Students Presenting Project</i></p>


 Head
 Department of Physics
 J.D. Patil Sangludkar Mahavidyalaya,
 Daryapur

Sign of Supervisor




 Dr. A.K. Bodkhe
 Principal
 J.D. Patil Sangludkar Mahavidyalaya
 Daryapur

Principle



Shri Shivaji Education Society Amravati's



J. D. Patil Sangludkar Mahavidyalaya, Daryapur
Department of Physics.
Academic Session 2022-23

CERTIFICATE

This is to certify that **Ku Hrutuja Mohod** student of B.Sc. IIIrd year has successfully completed the project entitled "**Fabrication of Supercapacitor from Old Used Clothes**". He/she has completed the project under the guidance of Prof/Dr. **Dr. Santosh J. Uke**. Head Department of Physics and submitted the project on 01/12/2022.

DATE 01/12/2022

SEAL/STAMP

SIGNATURE OF SUPERVISOR

Head

Department of Physics

J. D. Patil Sangludkar Mahavidyalaya,
Daryapur



Shri Shiwaji Education Society Amravati's

J. D. Patil Sangludkar Mahavidyalaya, Daryapur
Department of Physics.



Academic Session 2022-23

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DATE 01/12/2022

SEAL/STAMP

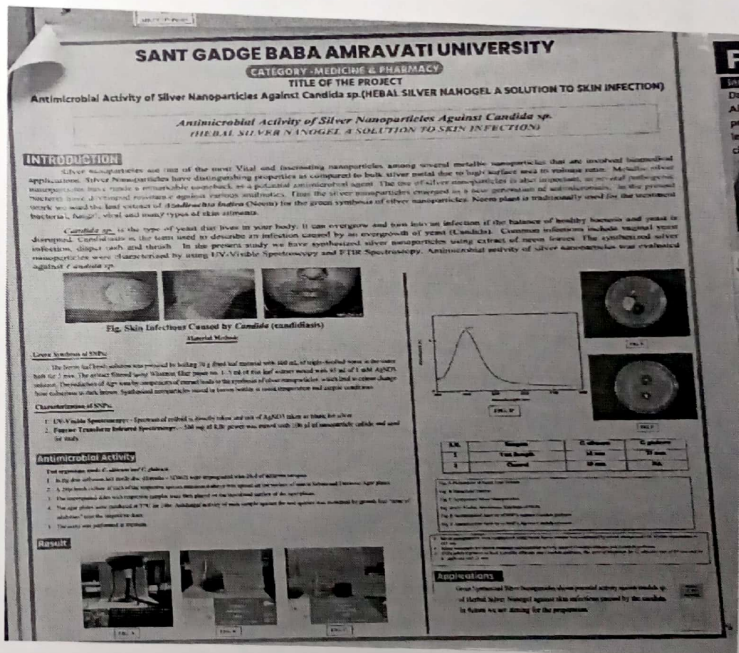
SIGNATURE OF SUPERVISOR

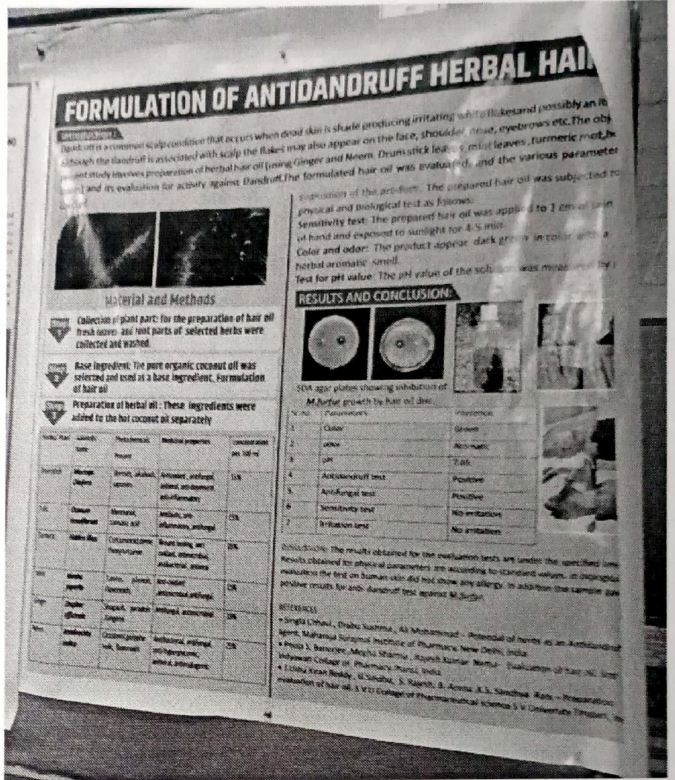
Dr. S.J. Uke
Head
Department of Physics
J.D. Patil Sangludkar Mahavidyalaya,
Daryapur

Shri Shivaji Education Society Amravati's
J. D. Patil Sangludkar Mahavidyalaya, Daryapur
Department of Microbiology

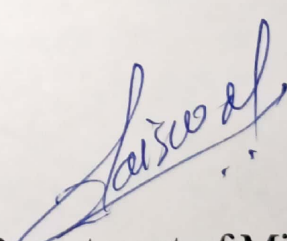
Session 2022-2023

Details of Project:

01. Project Name- <i>Herbal Silver Nanogel a Solution to Skin Infection</i>	
Name of Students under this project:	1) Prathmesh Girmale 2) Ujwal Kadu
Class:	B.Sc.- III Micro Group
Aim and Objectives of Project:	<i>Antimicrobial Activity of silver Nanoparticles Against Candida sp (Herbal Silver Nanogel a Solution to Skin Infection)</i>
Outcome of this Project:	✓ Students prepared effective herbal Silver Nanogel.
Photograph:	<p style="text-align: center;">Photo: Students Presenting Project</p> 

02. Project Name- <i>Formulation of antidandruff herbal hair oil</i>	
Name of Students under this project:	1) Komal R Tale 2) Pratiksha R Chavhan
Class:	B.Sc.- I Micro Group
Aim and Objectives of Project:	<i>Formulation of antidandruff herbal hair oil.</i>
Outcome of this Project:	✓ <i>Prepared antidandruff herbal hair oil</i>
Photograph:	

Date 12/12/2023


 Head Department of Microbiology
Himanshu S. Jaiswal
 Assistant Professor
 Department of Botany
 J.D.Patil Sangludkar Mahavidyalaya
 Daryapur



Shri Shivaji Education Society Amravati's

J. D. Patil Sangludkar Mahavidyalaya, Daryapur

Department of Microbiology.

Academic Session 2022-23



CERTIFICATE

This is to certify that Mr Prathmesh Girnale student of B.Sc. III year has successfully completed the project entitled "Antimicrobial Activity of silver Nanoparticles Against Candida sp (Herbal Silver Nanogel a Solution to Skin Infection)". He/she has completed the project under the guidance of Prof/Dr. Himanshu S Jaiswal, Head Department of Microbiology and submitted the project on 10 /01 /2023

DATE

10/01/2023



Himanshu S. Jaiswal

SIGNATURE OF SUPERVISOR

Himanshu S. Jaiswal
Assistant Professor
Department of Botany
J.D.Patil Sangludkar Mahavidyalaya
Daryapur





Shri Shivaji Education Society Amravati's

J. D. Patil Sangludkar Mahavidyalaya, Daryapur

Department of Microbiology.

Academic Session 2022-23

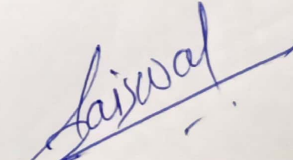


CERTIFICATE

This is to certify that Mr. Ujwal Kadu student of B.Sc. III year has successfully completed the project entitled "Antimicrobial Activity of silver Nanoparticles Against Candida sp. (Herbal Silver Nanogel a Solution to Skin Infection)". He/she has completed the project under the guidance of Prof/Dr. Himanshu S Jaiswal, Head Department of Microbiology and submitted the project on 10/01/2023

DATE 10/01/2023




SIGNATURE OF SUPERVISOR
Himanshu S. Jaiswal
Assistant Professor
Department of Botany
J.D.Patil Sangludkar Mahavidyalaya
Daryapur



Shri Shivaji Education Society Amravati's

J. D. Patil Sangludkar Mahavidyalaya, Daryapur

Department of Microbiology.

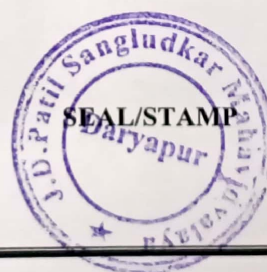
Academic Session 2022-23

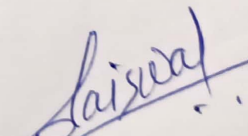


CERTIFICATE

This is to certify that Ms. Komal R Tale student of B.Sc. I year has successfully completed the project entitled "Formulation of antidandruff herbal hair oil". He/she has completed the project under the guidance of Prof/Dr. Himanshu S Jaiswal, Head Department of Microbiology and submitted the project on 10 /01 /2023

DATE 10/01/2023




SIGNATURE OF SUPERVISOR
Himanshu S. Jaiswal
Assistant Professor
Department of Botany
J.D. Patil Sangludkar Mahavidyalaya
Daryapur



Shri Shivaji Education Society Amravati's

J. D. Patil Sangludkar Mahavidyalaya, Daryapur

Department of Microbiology.

Academic Session 2022-23



CERTIFICATE

This is to certify that Ms. Pratiksha R. Chavhan student of B.Sc. I year has successfully completed the project entitled "Formulation of antidandruff herbal hair oil". He/she has completed the project under the guidance of Prof/Dr. Himanshu S Jaiswal, Head Department of Microbiology and submitted the project on 10/01/2023

DATE 10/01/2023



SEAL/STAMP

Himanshu S. Jaiswal

SIGNATURE OF SUPERVISOR


Himanshu S. Jaiswal
Assistant Professor
Department of Botany
J.D. Patil Sangludkar Mahavidyalaya
Daryapur



Shri Shivaji Education Society Amravati's
J. D. Patil Sangludkar Mahavidyalaya, Daryapur
Department of Chemistry

Extension Activity (Year 2022-2023)

Details of Project:


01. Project Name- Synthesis of Chalcones and its Antioxidant activity	
Name of Students under this project:	1. Anuradha Gawande 2. Dhanashri N. Gaykwad
Class:	B.Sc.- I CBZ Group
Aim and Objectives of Project:	Aim- Synthesis of Chalcones and its Antioxidant activity. Objectives of Project- Chalcone is an aromatic ketone that forms the central core of many important biological compounds, which are known as chalcones. Chalcones are the biogenetic precursors of flavonoids and isoflavonoids, which are abundant in plants. Chalcones are active lead molecules in medicinal chemistry for the discovery of new drugs. Here, we review properties, biosynthesis and structural diversity of natural chalcones. Then, we present the synthesis of chalcones and their biological activities with focus on structure–activity relationships.
Outcome of this Project:	<ul style="list-style-type: none"> ✓ Students Synthesized six different substituted Chalcones. ✓ Students carried out the antioxidant activity of chalcones.
Photograph:	 <i>Photo: Students Presenting Project</i>

Sign of Supervisor



Principle





Dr. Atul. K. Bodkhe
Principal
J.D. Patil Sangludkar
Mv. Daryapur



Shri Shivaji Education Society Amravati's

J. D. Patil Sangludkar Mahavidyalaya, Daryapur

Department of Chemistry


Academic Session 2022-23

CERTIFICATE

This is to certify that Mr/Ms. **Anuradha G. Gawande B.Sc.-I (CBZ)** has successfully completed the project entitled "**Synthesis of Chalcones and its Antioxidant Activity**". He/she has completed the project under the guidance of **Dr. Aprana S. Dighade** and completed the project on dated **10 / 12 / 2022**.

Date: 13/12/2022




Dr. Aprana S. Dighade
Assistant Professor
Department of Chemistry
J.D. Patil Sangludkar Mahavidyalaya
Daryapur, Dist. Amravati

Signature of Supervisor



Shri Shivaji Education Society Amravati's

J. D. Patil Sangludkar Mahavidyalaya, Daryapur

Department of Physics


Academic Session 2022-23

CERTIFICATE

This is to certify that Mr/Ms. **Dhanashri N. Gaikwad B.Sc.-I (CMZ)** has successfully completed the project entitled "**Synthesis of Chalcones and its Antioxidant Activity**". He/she has completed the project under the guidance of **Dr. Aprana S. Dighade** and completed the project on dated **10 / 12 / 2022**.

Date: 13/12/2022




Dr. Aprana S. Dighade
Assistant Professor
Department of Chemistry
J.D. Patil Sangludkar Mahavidyalaya
Daryapur, Dist. Amravati

Signature of Supervisor