



|| Tamaso ma Jyotirgamaya ||  
Shri Someshwar Shikshan Prasarak Mandal's

Phone (02112) 282728 283187

# SOMESHWAR SCIENCE COLLEGE

Someshwarnagar, Tel. Baramati, Dist: Pune (Pin : 412 306) Maharashtra, India  
(Affiliated to Savitribai Phule Pune University, Pune) Estd : 2007

Govt. Rag. No. N.G.C. 2007(189/07) Mashi-3, Dt. 2 July 2007

College Code 827

University Appvl. No. IDNo. PU/PNS/284/2

## Ecosystem for Innovation

### List for Supporting Documents 2017-18 to 2021-22

Sr.No.	Name of supporting documents
1.	Quiz competition , Poster presentation competition record
2.	Guest Lecture record
3.	National and International Conference record
4.	Research paper and books published in international journal
5.	MoU and Collaborations with industries ,Industrial visits.
6.	Membership of Organization for women in science for developing world.



  
Principal  
Someshwar Science College, Someshwarnagar

## Notice

Date: 28 Feb. 2022

All students of Someshwar Science College, are here by informed that, Department Of Microbiology have organized Quiz Competition on the occasion of National Science day . Solve & submit the quiz. Quiz competition is compulsory for all students.

**Day & date:** Monday, 28 February 2022

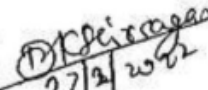
**Time:** 12.00 p.m. – 06.00 p.m.

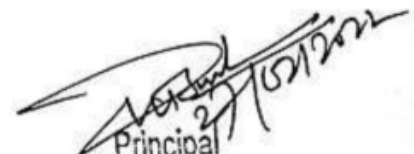
**Mode :** Online

Science day quiz competition link:

<https://docs.google.com/forms/d/1JCDsXeAhr6PsDstsArrmsMBPSkn4QGnxGpgsO0N36w/edit?usp=drivesdk>

  
Coordinator.

for   
27/2/2022  
HOD

  
Principal  
Someshwar Science College, Someshwarnaga:



**National Science Day**  
**List of participated students in Quiz competition**

Date: 28<sup>th</sup> February 2022

Sr. no.	Name of the student	Class	Score Out of 10	Email id
1	Anpat Sankirta Dattatray	F.Y.B.Sc.	10	anpatdiya@gmail.com
2	Salve sanjana	S.Y.B.Sc.	8	salvesanjana@gmail.com
3	Salve Rutika Ramchandra	F.Y.B.Sc.	8	rutikasalve12@gmail.com
4	Darekar Sanket	F.Y.B.Sc.	9	sanketdarekar596@gmail.com
5	Darekar Gaurav	F.Y.B.Sc.	8	gauravdarekar29@gmail.com
6	Karade Ashwini Dada	T.Y.B.Sc	7	ashwinikarade46@gmail.com
7	Darekar Amruta Shahaji	F.Y.B.Sc.	8	darekaramruta20@gmail.com
8	Gavade Pradnya Sadashiv	F.Y.B.Sc.	8	pradnyagawade2003@gmail.com
9	Ghodake sayali sachin	F.Y.B.Sc.	9	shivghodake74@gmail.com
10	Karche Samruddhi Shantaram	F.Y.B.Sc.	8	samruddhikarche@gmail.com
11	Jagtap Prajta Jitendra	T.Y.B.Sc	10	jagtapprajta17@gmail.com
12	Tilekar Priyanka Tatyaba	S.Y.B.Sc.	9	priyankatilekar2222@gmail.com
13	Karande Sunny shivaji	F.Y.B.Sc.	7	karandesunny31@gmail.com
14	Malshikare Shravani Satish	S.Y.B.Sc.	8	shravanimalshikare86865@gmail.com
15	Bhosale Nikita Dnyaneshwar	T.Y.B.Sc	9	bhosalenikita414@gmail.com
16	Bankar Bhushan Shashikant	F.Y.B.Sc.	7	bhushanbankar96@gmail.com
17	Saste Savita Anil	F.Y.B.Sc.	9	savitasaste2706@gmail.com
18	Holkar Sayali sharad	T.Y.B.Sc	9	sayaliholkar25@gmail.com
19	Hulge Rakhi Satish	T.Y.B.Sc	10	hulgerakhi@gmail.com

20	Bhapkar Apurva Hitesh .	F. Y. B. Sc.	10	bhapkarapurva@gmail.com
21	Pawar Ankita Vijaykumar	F. Y. B. Sc.	7	ankitapawar9m@gmail.com
22	Pawar Sahil Sanjay	F. Y. B. Sc.	9	sahilpawar7717@gmail.com
23	Navale Monali Ramchandra	F. Y. B. Sc.	10	mnavale9834@gmail.com
24	Kharade Neha Ujwal	S. Y. B. Sc.	10	nehakharade2703@gmail.com
25	Kharade Nikita Ujwal	S. Y. B. Sc.	9	nikitakharade2703@gmail.com
26	Kharade Pragati Popat	S. Y. B. Sc.	6	pragatikharade2112@gmail.com
27	Bhosale Dipti Tanaji	S. Y. B. Sc.	9	bdipti107@gmail.com
28	Bhosale Ajit Yashwant	F. Y. B. Sc.	9	bhosaleyashwantkisan9744@gmail.com
29	Dombale Disha sukhadev	F. Y. B. Sc.	9	dishadombale1101@gmail.com
30	Dhumal Vaishnavi Dayanand	T. Y. B. Sc.	9	vaishnavidhumal54@gmail.com
31	Kolekar Karishma Manik	F. Y. B. Sc.	7	karishmakolekar62@gmail.com
32	Bhagat Priti Ramdas	F. Y. B. Sc.	9	prtibhagat2003@gmail.com

*Pratikom*  
Coordinator.

for *Pratikom*  
7/3/2022  
HOD



*Pratikom*  
Principal  
Someshwar Science College, Someshwar



**National Science Day**

**Quiz competition**

**List of Winners**

Sr.No	Name of students	Class	Rank
1	ANPAT SANKIRTA DATTATRAY	F.Y.B.Sc.	I
2	JAGTAP PRAJKTA JITENDRA	T.Y.B.Sc.	II
3	HULGE RAKHI SATISH	T.Y.B.Sc.	III

*Bhaskar*  
Coordinator

for *D. K. S. Sagar*  
7/3/2022  
HOD

*[Signature]*  
Principal  
Someswar Science College, Someshwarnaga.



Date - Monday 24/02/2020

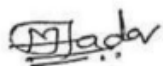
## Notice

All students of Someshwar Science college Someshwarnagar are hereby informed that , on the occasion of National Science day, department of Chemistry has organized quiz competition and chemical science exhibition on 28<sup>th</sup> February 2020. Interested Students can participate in quiz competition.

Day and Date- Friday, 28<sup>th</sup> February 2020

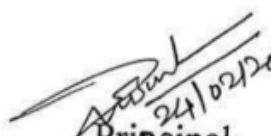
Venue- F.Y.B.Sc. Hall

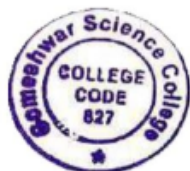
Time- 2.00 p.m. – 4.00 p.m.



Co-ordinator

  
H.O.D.

  
24/02/2020  
Principal  
Someshwar Science College, Someshwarnagar



Shri someshwar shikshan prasarak mandals  
Someshwar Science college Someshwarnagar

Quiz competition on 28<sup>th</sup> Feb. 2020

Department of Chemistry

Sr. No.	Group and class	Name of students	Sign
1.	F.Y.B.Sc. Group A	Holkar Sumitra	<i>Holkar</i>
2.		Gadekar Srushti	<i>Gadekar</i>
3.		Madane Sanchita	<i>Madane Sanchita</i>
4.		Gawade Hrushid	<i>H</i>
5.	S.Y.B.Sc. Group B	Shinde Dipali	<i>Shinde</i>
6.		Thopate Payal	<i>Payal</i>
7.		Rananaware Dinesh	<i>D</i>
8.		Bhoite Akash	<i>(SS)</i>
9.	T.Y.B.Sc. Group C	Nanaware Dhiraj	<i>Nanaware</i>
10.		Nigade Pallavi	<i>Nigade</i>
11.		Karande prajkta	<i>Karande</i>
12.		Dhumal Shital	<i>Dhumal</i>
13.	M.Sc.I Group D	Holkar Akshay	<i>(Holkar)</i>
14.		Shinde Tukaram	<i>Shinde</i>
15.		Yele Anushka	<i>Yele</i>
16.		Suryavanshi Sonal	<i>Suryavanshi</i>
17.	M.Sc.II Group E	Kadam Suraj	<i>Kadam</i>
18.		Karnawar Shashikant	<i>Karnawar</i>
19.		Tengale Adarsh	<i>Tengale</i>
20.		Jagtap Abhijit	<i>(A)</i>

Winner Team - M.Sc.II (Group E)

Runner up team - T.Y.B.Sc. (Group C)

*Madan*  
28/02/2020  
Co Ordinator

*Trapsu*  
H.O.D.



Photos of Quiz competition



*[Handwritten Signature]*  
 Principal  
 Someshwar Science College, Someshwar Nagar



## Poster presentation competition

Date – Monday 25/02/2019


### Notice

All students of Someshwar Science college Someshwarnagar are hereby informed that , on the occasion of National Science day, department of Chemistry has organized poster presentation competition and chemical science exhibition on 28<sup>th</sup> February 2019. Interested Students can participate in poster presentation competition.

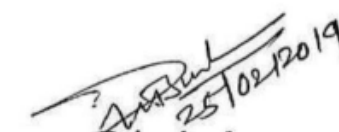
Day and Date- Thursday, 28<sup>th</sup> February 2019

Venue- Department of Chemistry Lab I

Time- 12.00 p.m. – 1.30 p.m.

  
Co-ordinator

  
H.O.D.

  
Principal  
Principal





Shri someshwar shikshan prasarak mandaks

Someshwar Science college Someshwarnagar

Science day poster presentation and Chemical science Exhibition organized  
on 28<sup>th</sup> Feb. 2019

Department of Chemistry

Sr. No.	Name of student	class	Sign	Poster and expt. name
1.	Suryavanshi Sonal	T.Y.B.Sc.	<i>Suryavanshi</i>	Elephant tooth
2.	Thopate Ujjwala	T.Y.B.Sc.	<i>Thopate</i>	
3.	Bhosale Milind	T.Y.B.Sc.	<i>Bhosale</i>	Bleeding heart
4.	Bhosale Pooja	T.Y.B.Sc.	<i>Bhosale</i>	
5.	Bhosale kunal	T.Y.B.Sc.	<i>Bhosale</i>	
6.	Yele Anushka	T.Y.B.Sc.	<i>Yele</i>	Dancing sodium
7.	Yele nilam	T.Y.B.Sc.	<i>Yele</i>	
8.	Thopate Komal	M.Sc. I	<i>Komal</i>	Chemical chameleon
9.	Holkar amruta	M.Sc. I	<i>Holkar</i>	
10.	Nale Sneha	M.Sc. I	<i>Nale</i>	
11.	Bankar Prajka	M.Sc. I	<i>Bankar</i>	Food adultration analysis
12.	Pol Pranita	M.Sc. I	<i>Pol</i>	
13.	Sakunde dhanashri	M.Sc. I	<i>Sakunde</i>	
14.	Karnawar Shashikant	M.Sc. II	<i>Karnawar</i>	Chemical burning snake from cane sugar
15.	Kadam Suraj	M.Sc. II	<i>Kadam</i>	
16.	Jagtap Abhijit	M.Sc. II	<i>Jagtap</i>	
17.	Shelar Pallavi	T.Y.B.Sc.	<i>Shelar</i>	Golden rain
18.	Thopate Pooja	T.Y.B.Sc.	<i>Thopate</i>	
19.	Nigade Pallavi	S.Y.B.Sc.	<i>Nigade</i>	Magical disappearing writing
20.	Nigade Prajka	S.Y.B.Sc.	<i>Nigade</i>	
21.	Nigade Pranali	S.Y.B.Sc.	<i>Nigade</i>	

*P.S.*  
Co-ordinator  
28/02/2019

*Thopate*  
H.O.B.



Photos of Poster Presentation competition and mini projects competition





  
Principal  
Someshwar Science College, Someshwar Nagar



Letter

Date:-12/02/2020

To,  
Hon. Principal,  
Someshwar Science College,  
Someshwarnagar,pune -412306.

Subject :-Inviting Guest Lecturer for S.Y.B.Sc (Physics) for academic year  
2019-20 for half days.

Respected sir,

For the academic year 2019 -20 ,Physics Department wants to organize guest  
lecture of [ Mr. S. B. Kakade , M.Sc ( Physics)., SET, NET, GATE ] for the subject of  
Physics - Optics . ON Dated Thursday 20/02/2020 .

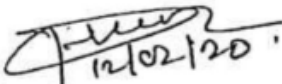
The lecture covers topic like . Interference & Diffraction and guidelines related to  
the Optics. The person which we want to call has varied experience of working in T.C.  
College Baramati

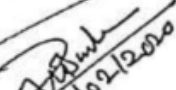
So, his experience definitely helps our student in their academic year as well as in  
future .

So Physics department will kindly request you to give permission for organizing  
the lecture.

Thanking you,

Your's Faithfully,

  
12/02/20  
MR. P.D. HOLKAR  
HOD  
PHYSICS

To  
HOD, Dept of physics.  
Allowed  
for guest lecture in  
given schedule without  
interrupting all other or with  
other dept. permission if overlapping  
  
20/02/2020



Shri Someshwar Shikshan Prasarak Mandals  
Someshwar Science College Someshwarnagar

Guest lecture Of S.Y.B.Sc.

Organized by  
Department of Physics

Date- 20/02/2020

Time- 11.00 am -2.00 pm

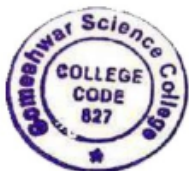
Attendance sheet

Sr.No.	Roll No.	Name Of Student	Sign
1	2005	JAGTAP VARSHA SATISH	Jagtap
2	2006	DESHMUKH AMRUTA YUVRAJ	Deskh
3	2015	PINGALE TEJAS RAMDAS	Pingale
4	2017	PHARANDE SHITAL ASHOK	SP
5	2025	MALSHIKARE NIKHIL JALINDAR	N.malshikare
6	2026	BHANDALKAR SURAJ BHIMRAO	Suraj
7	2043	PHADTARE AKASH BALASO	A.B.Phadare
8	2066	SHINDE MAYUR RAJENDRA	Shinde
9	2070	JAGTAP BHAGYASHRI RAMDAS	Bhagyashri P
10	2072	SANKPAL SAYALI SATISH	SP
11	2076	GADEKAR GAYATRI HANUMANT	G.H.G
12	2077	SHENDKAR TRUPTI TATYASO	Shendkar 29/02
13	2078	WAGHMARE SUPRIYA PRAKASH	S.P.W.
14	2079	JAGDALE AKASH SANJAY	Jagdale
15	2081	BHOSALE PRITI SATISH	Bhosale



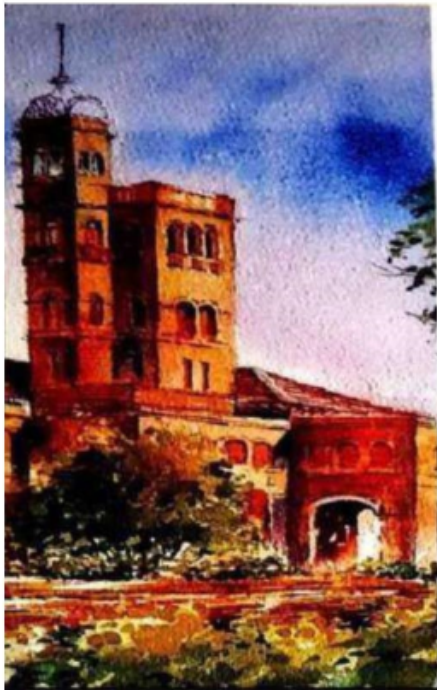


Photos of Guest lectures



*[Signature]*  
Principal  
Someshwar Science College, Someshwar

Certificates of National and international conferences



**CERTIFICATE OF PARTICIPATION**

This is to certify that

--- Ms. Mrunali Bhanudas Chavan ---

has participated for Oral/Poster Presentation  
in the  
" 4TH INTERNATIONAL CONFERENCE ON  
EMERGING TECHNOLOGIES: MICRO TO NANO  
(ETMN 2019)"  
held on the 16th & 17th December 2019.

Session Chairman

Prof. Dr. A. D. Shaligram  
Chairman,  
ETMN 2019

Education Through self help is our moto- Karmaveer



Rayat Shikshan Sanatha's  
**Yashwantrao Chavan Institute of Science, Satara**  
(Autonomous Institute), Maharashtra, India

**International Conference on  
"Emerging Trends and Challenges in  
Electronics and Computing" (ETEC-2021)**  
Organized by  
Department of Electronics  
(4 to 6 March 2021)

**CERTIFICATE**

This is to certify that  
Prof./Dr./Mr./Ms./Mrs. Mrunali Bhanudas Chavan  
of MES's Abasaheb Garware College, Pune has  
Participated/ Presented Paper/ Oral presentation/Poster  
Presentation and receive ..... rank in the "International  
Conference on Emerging Trends and challenges in  
Electronics and Computing (ETEC-2021)"  
held at Department of Electronics,  
Yashwantrao Chavan Institute of Science,  
Satara (Autonomous), Maharashtra, India  
from 4 to 6 March 2021.



Supervised by  
Rashtriya Uchchaitar  
Shiksha Abhiyan (RUSA)  
Technically Sponsored by  
IEEE, Pune Section and  
SPEED, Pune



Mr. S. K. Shinde  
Convener  
ETEC-2021



Mr. S. A. Wagh  
Vice-President  
ETEC-2021



Dr. D. T. Jadhav  
President  
ETEC-2021





SHIKSHANA PRASARAKA MANDALI'S  
SIR PARASHURAMBHAU COLLEGE, PUNE-30  
(AUTONOMOUS)





**Dr. TR Ingle Memorial  
National Symposium  
TRI - 2020**

*Trends, Research & Innovation in Chemical Sciences*

C E R T I F I C A T E

Prof./Dr./Mr./Mrs./Ms. Mayuri Dnyaneshwar Yadav  
from Someshwar Science Cgd, Someshwar, Baramati attended / participated in  
oral / poster presentation in Dr. TR Ingle Memorial National Symposium  
held on February 14-15, 2020 at Department of Chemistry, Sir Parashurambhau College  
(Autonomous), Pune - 30.

  
Dr. Vidya Avasare  
Head

  
Prof. DS Divate  
VP - Science

  
Dr. DN Sheth  
Principal

29



Rayot Shikshan Sanstha's

S. M. Joshi College, Hadapsar, Pune  
&  
Dahiwadi College, Dahiwadi, MS, India

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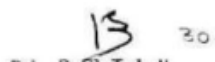
Research Cell, Savitribai Phule Pune University, Pune  
(Formerly University of Pune)

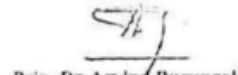
Certificate

This is to certify that Dr./Mr./Smt Yadav, Mayuri, Dnyaneshwar  
of Someshwar Science College, Someshwar  
has attended and actively participated in the International Conference on ACS - 2018 organized by department of chemistry on 18<sup>th</sup> & 19<sup>th</sup> December 2018.  
He/She has worked as a resource person / chairperson / presented a paper as an oral / poster His / Her contribution in the conference is highly appreciated.  
He / She has presented paper entitled \_\_\_\_\_











# KLE SOCIETY'S SCIENCE AND COMMERCE COLLEGE

PLOT NO - 25, SECTOR-1, KALAMBOLI, NAVI MUMBAI MAHARASHTRA- 410218

CONTACT- 9822979594, WEB- www.klembaicollege.com

[ AFFILIATED TO UNIVERSITY OF MUMBAI ]



## Certificate of Appreciation

One Day International Conference

ON

"Greener Synthesis and Catalysis : Recent Developments & Opportunities"

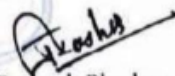
[ KLEICC-2022-23 ]

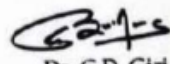
This is to certify that Dr./Mr./Ms./Mrs. Preeti Pramod Nigade  
has participated / presented paper / poster titled \_\_\_\_\_

in International Conference held on 14<sup>th</sup> March 2023

organised by Department of Chemistry in association with IQAC.

  
Dr. Richa Singh  
Head, Department of Chemistry

  
Dr. Prakash Bhadane  
IQAC Co-Ordinator

  
Dr. G.D. Giri  
Principal



  
Principal  
Someshwar Science College, Someshwarwadi

# Synthesis and Characterization of Nickel-Bismuth Aluminium Ferrite Nanoparticles by Sol-Gel Technique

K.C.Attar<sup>1</sup>, P.D.Holkar<sup>2</sup>, C.S.Vhawaf

<sup>1</sup>. Department of Engineering Physics, <sup>2</sup>. Department of Physics.

<sup>1</sup>. Sharadchandra Pawar College of Engineering and Technology, Someshwarnagar, Tal. Baramati, Dist. Pune-412306 <sup>2</sup>. Someshwar Science College, Someshwarnagar Tal. Baramati, Dist. Pune-412306.

<sup>1</sup>. [attarkaiyyum@gmail.com](mailto:attarkaiyyum@gmail.com),

<sup>2</sup>. [holkarpd28@gmail.com](mailto:holkarpd28@gmail.com)

<sup>3</sup>. [vhawalchetan@rediffmail.com](mailto:vhawalchetan@rediffmail.com)

## Abstract

Bismuth doped Nickel Aluminium ferrite  $Ni_{1-x}Bi_xAl_yFe_{2-(x+y)}O_4$  (where  $x=0, 0.025, 0.050, 0.075, 0.1, 0.15$ ) and ( $y=0, 1, 0.2, 0.3, 0.4, 0.5$ ) Nanoparticles were synthesized at low temperatures using a easy, cost-effective acting refer sol-gel auto oxidation. The standard softness of nickel aluminium ferrite is a big amount of use. Nickel Bismuth Aluminium ferrite is get soft ferrite. The existing job is to survey the knowledge and magnetic place of Bi doped Nickel Aluminium nano-ferrite the synthesized samples. To obtain the parameters of hysteresis, the VSM was used. With changes in the Bi percentage, the magnetic property of the ready samples shows important effect. Spine) ferrite is confirmed from FTTR.

**Keywords:** Sol-gel; Ni-Bi-Al nanoferrite; XRD; VSM; FTTR etc.

## 1. Introduction

In the shape of collisions, powders, clusters, rods, wires, and thin films, a wide range of techniques are required to synthesize various forms of nanomaterial [1]. Nanomaterial preparation divided into two wide top-down and bottom-up spectrums, each of which has two physical and wet chemical paths. The nearly big parameters for the activity of nanoparticles are the correct size, well-scattered particles with a small size distribution, equiaxial particle structure, full status, and uniform mixture. Many wet-chemical approaches have the typical characteristic of atomic or molecular scale mixing of materials. Any of the non-conventional methods are a acting of sol-gel, the procedure of co-precipitation, acting of precursor, acting of combustion, hydrothermal, drying by spray. From Etc [2].

### 1.1 Sol-gel auto combustion Process

All the samples were processed using the auto combustion methodology of Sol-gel in the current work. For the combustion phase, oxidizing metal salts and combustion fuel are important in the Sol-gel auto combustion method. As oxidizing salts and combustion fuel for all of the sample preparations, metal nitrates and citric acid were in use. Both chemicals had an analytical reagent of high purity and were used without further purification. For the analysis of ultrafine hexaferrite powders, the Sol-gel auto oxidation process has been shown to be an super simple, time-saving and energy-efficient path [3].

### 1.2 Principle

The gelling and eventual burning of an liquid solution containing salts and organic fuel is the basis of the Sol-gel process. As starting ingredients, oxidizing metal salts such as metal nitrates and a burning fuel such as citrate acid, polyacrylic acid, or urea are used. Citric acid is ideal for receiving precursors of change metal oxides due to the strong potential of chelating metallic ions and too low temperatures of decomposition. During the initial stage of the preparation process, this approach uses a solvent, since the reactants are well-dispersed to have a homogeneous reaction mixture in a much higher reactive state. Organic fuel plays an of import role in the combustion reaction; it forms complexes with metal ions that prevent hydroxylated compounds from precipitating. It is possible to understand combustion as a



# EFFECT OF LIGHT INTENSITY & DISTANCE OF THE LIGHT SOURCE ON THE OUTPUT VOLTAGE OF SOLAR CELL

Dhananjay V. Banode<sup>1</sup>, Pachukant D. Holkar<sup>1</sup>, Kaiyyum C. Attar<sup>2</sup>, Mrunali B. Chavan<sup>3</sup>

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3

**Abstract:** Now days there are different types of advance photovoltaic materials are available for different applications. The output of the solar cell depends on the strength of the light source and materials used for Solar Panel. We compared the effect of distance and intensity of the different light sources on the output of solar cell. In this paper we are use natural source i.e. sun as well as artificial sources like LED bulb of 9 Watt and Tungsten Filament lamp of 200Watt. It is observed that the output of the solar panel is increased with the strength of light source keeping same material of Solar Panel. At specific intensity the output of the solar panel is constant.

**Keywords :** Solar Cell, Tungsten Filament, LED

## 1. INTRODUCTION

"A **solar cell** (also known as a photovoltaic cell or PV cell) is defined as an electrical device that converts light energy into electrical energy through the photovoltaic effect. A solar cell is basically a p-n junction diode. Solar cells are a form of photoelectric cell, defined as a device whose electrical characteristics - such as current, voltage, or resistance - vary when exposed to light. Individual solar cells can be combined to form modules commonly known as solar panels. The common single junction silicon solar cell can produce a maximum open-circuit voltage of approximately 0.5 to 0.6 volts. By itself this isn't much - but remember these solar cells are tiny. When combined into a large solar panel, considerable amounts of renewable energy can be generated" [1].

A solar cell is really a junction diode, but its creation differs slightly from that of standard p-n junction diodes. A very thin layer of p-type semiconductor is added on top of a heavier n-type semiconductor. A few fine electrodes are placed on top of the p-type semiconductor plate [2]. These electrodes should not block the thin p-type sheet. A p-n junction exists just underneath the p-type layer. The bottom of the n-type layer also has a current-collecting electrode. We encase the full cell in thin glass to protect the solar cell from mechanical blow [3].



*[Signature]*  
Principal  
Someshwar Science College, Someshwar Nagar



# TO STUDY AND COMPARISON OF SOUND INTENSITY AT DIFFERENT PLACES.

Kaiyyurn C. Attar<sup>1</sup>, Dhananjay V. Bansode<sup>2</sup>, Pachukant D. HolkmJ, Sunil M. Pondkule<sup>4</sup>

<sup>1</sup>Assistant Professor, <sup>2</sup>Assistant Professor, <sup>3</sup>Assistant Professor, <sup>4</sup>Assistant Professor

<sup>1</sup>Department of Physics

<sup>1</sup>Slnradchandra Pawar College of Engineering & Technology, Someshwarnagar, Tai- Baramati, Dist.-Pune 412306

**Abstract:** Sound intensity level is different at different places. Now days there are different types of Sound meter is available for measuring Sound intensity level. We study & compare the sound intensity level in Decibel (dB) at different places such as Hill Station, Bus Stand, Sugar factory, Market & School. All these places are from Someshwarnager which is in Baramati taluka & district of it is Pune. Sound intensity level is high at Some places & some places it is low. Comparison of Sound intensity level at different places clearly shows by graph

**Index Terms** - Sound Intensity Meter, Decibel (dB)

## I. INTRODUCTION

A useful quantity for describing the loudness of sounds is called **sound intensity**. In general, the intensity of a wave is the power per unit area carried by the wave. Power is the rate at which energy is transferred by the wave. In equation form, intensity / is  $I=P/A$ , where  $P$  is the power through an area  $A$ . The SI unit for  $I$  is  $W/m^2$ . The intensity of a sound depends upon its pressure amplitude. Sound intensity level is varied with places & sound meter is use for measuring this level. At every place of sound intensity is different, so measuring it we got the information about Sound intensity level.

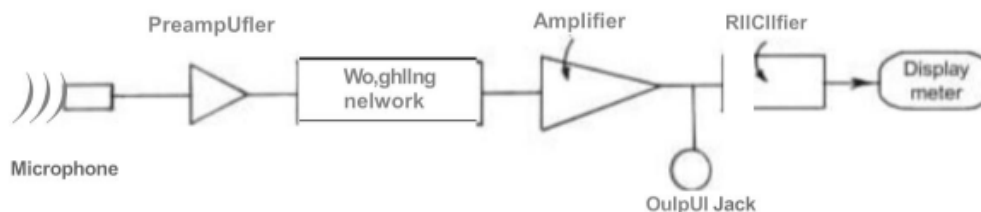


Fig.I. block diagram of sound meter

## II. WORKING OFSOUND METER

There square measure two basic ways that of chase and measurement noise pollution: sound level meter measurements and noise mapping calculations with legendary acoustic sound power of sound sources (traffic, industrial plants, etc.). dIe necessity that measurements be densely sampled to get the whole coverage of a selected space will be quite difficult once mistreatment the sound level meter. The sound level meter consists ofa tag mike, electronic circuits, and a show. The mike detects tiny atmospheric pressme variations related to sound and converts them into electrical signals. The signals mentioned on top of square measure then processed mistreatment the instrument's electronic equipment. The shows the sound level in decibels.

## ID. APPLICATIONS OFSOUND METER

There are many different applications for Sound level meters

1. Noise at Work & Occupational Noise.
2. Environmental & Community Noise.
3. Testing of fire alarms, simple noise level checks in offices, machinery noise verification.



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Someshwar Science College, Someshwarnagar

## Extraction, Purification and Characterization of Alkaline Protease from *Bacillus thuringiensis*

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#### Abstract

This investigation was carried out to purify & characterize alkaline protease from *B. thuringiensis* & to optimize the conditions for maximum production of extracellular protease. The enzyme was purified by using Ammonium Sulphate Precipitation & Dialysis. The enzyme was characterized through kinetic studies by studying the effect of varying pH, temperature, different Metal ions, Carbon & Nitrogen sources and varying NaCl concentration. This study has also investigated effect of Activator & Inhibitor on enzyme activity and determined the kinetic parameter of alkaline protease. Purified alkaline protease showed maximum saturation at 80%. Optimum pH for enzyme activity was found to be 8. Temperature range of 30°C to 60°C showed the highest activity of enzyme. Alkaline protease was strongly activated by MnSO<sub>4</sub> and inhibited by AgNO<sub>3</sub>. To study the application of alkaline protease one laboratory-based experiment was also carried out by applying alkaline protease on goat skin for dehairing. The best result was obtained, when goat skin was treated with crude enzyme in combination with Glycine -NaOH buffer at pH 10. The enzyme showed excellent dehairing property when applied on goat skin without causing any damage to skin which determined its commercial importance in leather industry. Along with dehairing, it also improved tensile strength of goat skin.

**Keywords:** *B. thuringiensis*, alkaline protease, Extraction, Purification, Characterization, media optimization, Dehairing, Goat skin.



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Authored By

**Pachukant D. Holkar**

From

Department of Physics, Someshwar Science College, Someshwarnagar, Tal: Baramati  
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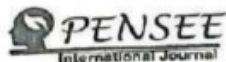
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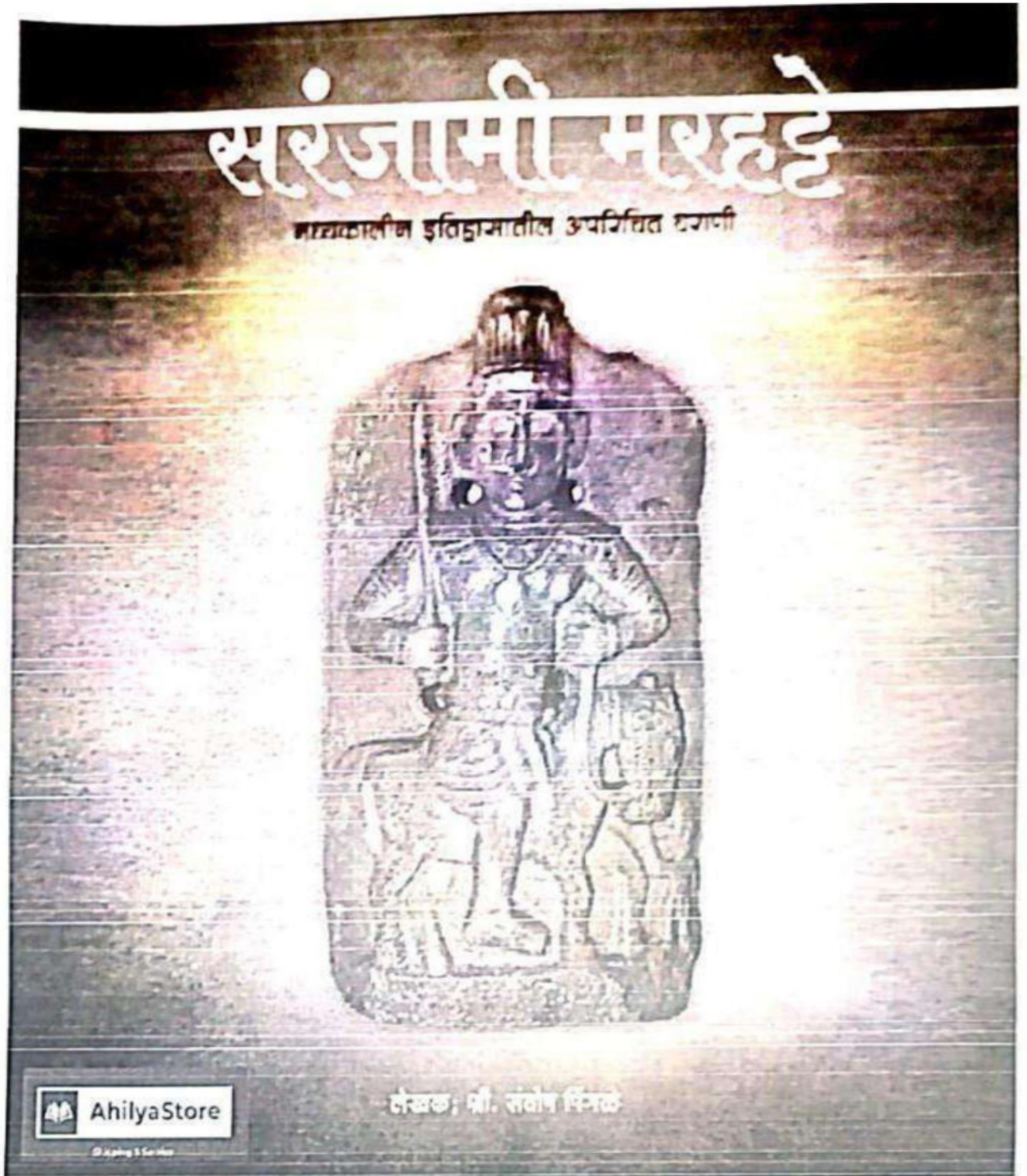
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## NITROGEN METABOLISM IN *TINOSPORA CORDIOFOLIA* (THUNB) MIERS.

**Pournima Kare, Madhuri Patil, Chandrashekhar Murumkar**

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### Abstract:

At present demand for medicinal plants is increasing in both developing and developed countries. Research on medicinal plants is one of the leading areas of research globally. Uses of medicinal plants in the industrialized societies have been traced from the extraction and development of several drugs and chemotherapeutic drugs from this plant as well as from traditionally used a herbal remedies. Among the vast library of important medicinal plants, *Tinospora cordifolia* (Thunb) Miers is immensely valuable in terms of chemical constituents and pharmacology. Our experiments conducted on leaves of *Tinospora* to evaluate its nitrogen metabolism by studying nitrogen, total free amino acids, proteins and enzymes of nitrogen metabolism namely nitrate and nitrite reductase. It is observed that nitrogen content is 39.2 mg/gm of dry matter and total proteins are 78 mg/gm of dry matter. Whereas amino acids are 22 mg/gm fresh tissue. Nitrate reductase activity is more than nitrite reductase. *Tinospora cordifolia* (Thunb) Miers is enriched by a secondary metabolite rich in Nitrogen and the efficient N metabolism a high NR, NiR activity may be responsible for directing N to secondary metabolites production.

**Keywords :** *Tinospora cordifolia*, Medicinal plant , Nitrogen metabolism.



  
Principal  
Someshwar Science College, Someshwarnagar



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Shri Someshwar Shikshan Prasarak Mandal's

Phone (02112) 283187, 282728

# SOMESHWAR VIDNYAN MAHAVIDYALAYA

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Ref. No. S.V.M. / 24/02/2020

Date : 24/02/2020

To,  
Managing Director,  
Someshwar Sugar Industry Pvt. Ltd.,  
Someshwarnagr, Baramati.

Subject: Request regarding grant the permission for industrial visit.


Respected Sir/ Madam,

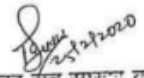
Our Someshwar Science College, Someshwarnagar is running T.Y. B. Sc. Microbiology course. During this course students have to complete one of the industrial visit to soil & water testing laboratory. For the same reason we require your permission for 47 students. Please grant us yours permission.

Hope your co-operation in this regards.

Thanks & Regards.

  
Head,  
Department of Microbiology

  
Principal  
Someshwar Science College, Someshwarnagar

  
श्री सोमेश्वर सह. साखर कारखाना लि.  
सोमेश्वरनगर-४१२३०६ ता. वारामती (पुणे)





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2	3003	Lokhande Abhishek R.	<i>Abhishek</i>	
3	3004	Khatake Prashant M.	<i>Prashant</i>	
4	3009	Birdawade Adesh J.	<i>Adesh</i>	
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7	3018	Holkar Supriya S.	<i>Supriya</i>	<i>Supriya</i>
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21	3050	Shinde Nikita S.	<i>Nikita</i>	<i>Nikita</i>
22	3051	Kulkarni Mrunal M.	<i>Mrunal</i>	<i>Mrunal</i>
23	3054	Bhapkar Prajka A.	<i>Prajka</i>	<i>Prajka</i>
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26	3057	Pawar Harshita K.	<i>Harshita</i>	<i>Harshita</i>
27	3058	Mulik Rutuja J.	<i>Rutuja</i>	<i>Rutuja</i>
28	3059	Jagdale Rutuja V.	<i>Rutuja</i>	<i>Rutuja</i>
29	3060	Chavan Megha D.	<i>Megha</i>	<i>Megha</i>
30	3061	Jadhav Dipali A.	<i>Dipali</i>	<i>Dipali</i>
31	3064	Dixit Ashwini B.	<i>Ashwini</i>	<i>Ashwini</i>
32	3083	Shinde Shital D.	A	A
33	3084	Khomane Komal D.	<i>Komal</i>	<i>Komal</i>
34	3088	Salunkhe Anuja D.	<i>Anuja</i>	<i>Anuja</i>
35	3098	Chavan Sanjivani S.	<i>Sanjivani</i>	<i>Sanjivani</i>
36	3099	Dhumal Shital D.	<i>Shital</i>	<i>Shital</i>
37	3100	Inamdar Rubina H.	<i>Rubina</i>	<i>Rubina</i>
38	3101	Jagtap Harshda C.	<i>Harshda</i>	<i>Harshda</i>
39	3106	Gaikwad Komal D.	<i>Komal</i>	<i>Komal</i>
40	3112	Jagtap Komal C.	<i>Komal</i>	<i>Komal</i>

41	3113	Nimbalkar Awanti R.	<del>A</del> Nimbalkar	<del>A</del> Nimbalkar
42	3119	Chavan Pooja P.	<del>Pooja</del>	<del>Pooja</del>
43	3120	Jagtap Pratiksha D.	A	A
44	3121	Sakunde Gauri R.	<del>Sakunde</del>	<del>Sakunde</del>
45	3122	Bhapkar Jagdish P.	A	A
46	3123	Khomane Payal A.	<del>Payal</del>	<del>Payal</del>
47	3124	Gaikwad Kishori S.	<del>Balkwad</del>	<del>Balkwad</del>
<b>Total Students:</b>			43	43

Shubhangi J...  
29/02/2020

at : 2:25 pm.



*[Signature]*  
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Ref. No. : SVM/ 2160/2017-18

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प्रति

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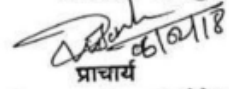
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प्राचार्य

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08/02/2018

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Someshwar Vidyan Mahavidyalaya, Someshwar nagar.  
Industrial visit - Someshwar karkhana.

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2	2486	Kakade Megha Rajendra	Kakade	Kakade
3	2487	Mohite Pallavi Ramch	Mohite	Mohite
4	2492	Jagtap Rutuja Sambhaji	Jagtap	Jagtap
5	2500	Sawant Diksha Dinkar	Sawant	Sawant
6	2501	Chaudhari Bhagyashree R.	Ch.	Ch.
7	2509	Bhandarkar Komal Sunil	Bhandarkar	Bhandarkar
8	2512	Nigade Pujar Rohidas	Nigade	Nigade
9	2517	Gaikwad Suvidhya Santosh	S.S. Gaikwad	S.S. Gaikwad
10	2522	Galave Tejal Babasaheb	Galave	Galave
11	2523	Raykar Poonam Hanumant	Raykar	Raykar
12	2524	Burungale Alisha Amarsinh.	Alisha	Alisha
13	2525	Rajguru Shweta Mangesh	Shweta	Shweta
14	2526	Jagdale Asmita Manasa.	Asmita	Asmita
15	2527	Kakade Sayali Pradip	Kakade	Kakade
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17	2535	Khulape Nikita Mohan.	Khulape	Khulape
18	2540	Kolekar Komal Keishna	Kolekar	Kolekar
19	2542	Gawade Sonali Pandurang	S.P.G.	S.P.G.
20	2548	Bankar Kishori Babu	Kishori	Kishori
21	2551	Raykar Supriya Dadarao	Supriya	Supriya
22	2552	Bhandarkar Swapnali M.	Bhandarkar	Bhandarkar
23	2554	Nalwade Jayashri Laxman	Nalwade	Nalwade
24	2556	Dhumal Kaishma Madhav	Dhumal	Dhumal
25	2557	Thopate Komal Bhimrao	Thopate	Thopate
26	2558	Raykar Komal Shivaji	Raykar	Raykar
27	2562	Chavan Pradnya Dhananjay	Chavan	Chavan
28	2566	Salunke Kirti Bhimrao.	Salunke	Salunke

SE. No.	Roll No.	Name of the student	sign	sign
29	2567	Nigade Punam Tanaji	P.T.N.	P.T.N.
30	2568	Nigade Pallavi Madhukas	<del>P.T.N.</del>	<del>P.T.N.</del>
31	2577	Gajiwad kishori sunil	kishori	<del>kishori</del>
32	2578	Bhagat Nikita chandakant	<del>N.K.</del>	<del>N.K.</del>
33	2580	Bhagat Rutuja Sandip.	R.B.	R.B.
		Total =		

Staff members :-

① Ms. Shubhangi B. Kamble.  
M.O.D. (Microbiology)

Shubhangi B.  
08/10/21/18

② Ms. Bhosale J.M.

Bhosale J.M.  
08/10/21/18

③ Ms. Jedhe A.S.

Jedhe A.S.  
08/10/21/18

Lab Attendant :-

① Mr. Sangram Kakade

Kakade S.



S. Shri.  
Principal  
Someshwar Science College, Someshwar



॥ Tamaso ma Jyotirgamaya ॥  
Shri Someshwar Shikshan Prasarak Mandal's

Phone (02112) 283187, 282728

# SOMESHWAR VIDNYAN MAHAVIDYALAYA

Someshwarnagar, Tal: Baramati, Dist: Pune Pin - 412 306 , Maharashtra, India  
(Affiliated to Savitribai Phule Pune University, Pune)

Estd. : 2007

Govt. Reg. No. N.C.G.2007(189/07) Mashi-3, Dt. 2 July 2007 College Code - 827 University Appvl. No. IDNo. PU/PN/S/284/2007

Ref. No. S.V.M. / 2773 / 2019 - 20

Date : 24/02/2020

To,  
Managing Director,  
Somnath Milk & Dairy Products Pvt. Ltd.,  
Hol, Baramati.

**Subject: Request regarding grant the permission for industrial visit.**


Respected Sir/ Madam,

Our Someshwar Science College, Someshwarnagar is running T.Y. B. Sc. Microbiology course. During this course students have to complete one of the industrial visit. For the same reason we require your permission for 47 students. Please grant us yours permission.

Hope your co-operation in this regards.

Thanks & Regards.

  
Head,  
Department of Microbiology.

  
Principal  
Someshwar Science College, Someshwarnagar

Website : someshwarsciencecollege.net

Email : svm.principal@yahoo.com





Date: 24.02.2020

Shri Someshwar Shikshan Prasarak Mandal's  
Someshwar Science College, Someshwarnagar  
T.Y. B.Sc. Microbiology Industrial Visit Year 2019-2020  
Visit to : Somnath Milk & Milk Products, Hol

Sr. No.	Roll No.	Students name	Sign Out	Sign In
1	3002	Burungule Alisha A.	A.A. Burungule	A.A. Burungule
2	3003	Lokhande Abhishek R.	Lokhande	Lokhande
3	3004	Khatake Prashant M.	Khatake PM	Khatake PM
4	3009	Birdawade Adesh J.	Birdawade	Birdawade
5	3012	Jedhe Prerana S.	Jedhe	Jedhe
6	3017	Holkar Shubhangi D.	Holkar	Holkar
7	3018	Holkar Supriya S.	Holkar S	Holkar S
8	3019	Shaikh Anisa M.	Anishakh	Anishakh
9	3020	Kapare Priti S.	Kapare P	Kapare P
10	3022	Dhumal Mayuri J.	Dhumal	Dhumal
11	3023	Shingare Deepali D.	S. Deepali	S. Deepali
12	3026	Shinde Shamal S.	Shinde S	Shinde S
13	3027	Mandhare Harshada D.	H. D. M.	H. D. M.
14	3028	Thopate Charushila K.	C. K. Thopate	C. K. Thopate
15	3029	Bhujbal Komal V.	Komal B.V	Komal B.V
16	3040	Naik Kumodini S.	Naik K	Naik K
17	3043	Sankpal Kanchan B.	Kanchan	Kanchan
18	3047	More Sonali R.	Sonali More	Sonali More
19	3048	Ghodke Pratiksha D.	Ghodke P	Ghodke P
20	3049	Shinde Tejsavi T.	Shinde T	Shinde T
21	3050	Shinde Nikita S.	Shinde N	Shinde N
22	3051	Kulkarni Mrunal M.	M. M. Kulkarni	M. M. Kulkarni
23	3054	Bhapkar Prajka A.	Bhapkar A	Bhapkar A
24	3055	Barkade Sayali B.	S. B. Barkade	S. B. Barkade
25	3056	Nigade Snehal K.	S. K. Nigade	S. K. Nigade
26	3057	Pawar Harshita K.	Harshita	Harshita
27	3058	Mulik Rutuja J.	R. S. Mulik	R. S. Mulik
28	3059	Jagdale Rutuja V.	R. V. Jagdale	R. V. Jagdale
29	3060	Chavan Megha D.	Megha	Megha
30	3061	Jadhav Dipali A.	Dipali	Dipali
31	3064	Dixit Ashwini B.	Ashwini	Ashwini
32	3083	Shinde Shital D.	S. Shinde	S. Shinde
33	3084	Khomane Komal D.	K. D. Khomane	K. D. Khomane
34	3088	Salunkhe Anuja D.	Salunkhe	Salunkhe
35	3098	Chavan Sanjivani S.	Chavans	Chavans
36	3099	Dhumal Shital D.	D. D. Shital	D. D. Shital
37	3100	Inamdar Rubina H.	Inamdar	Inamdar
38	3101	Jagtap Harshda C.	Jagtap C	Jagtap H.C
39	3106	Gaikwad Komal D.	K. D. Gaikwad	K. D. Gaikwad
40	3112	Jagtap Komal C.	Komal	Komal

41	3113	Nimbalkar Awanti R.	<del>Awanti</del>	<del>Awanti</del>
42	3119	Chavan Pooja P.	P.P.chavan	P.P.chavan
43	3120	Jagtap Pratiksha D.	Jagtap P	Jagtap P
44	3121	Sakunde Gauri R.	Gauri	Gauri
45	3122	Bhapkar Jagdish P.	Jagdish	Jagdish
46	3123	Khomane Payal A.	Payal AK	Payal AK
47	3124	Gaikwad Kishori S.	Gaikwad K	Gaikwad K
<b>Total Students:</b>			47	47

Head, 24/10/2020  
Department of Microbiology



Principal  
Someshwar Science College, Someshwar

Photos of Field visits, Industrial visits and study tours



  
Principal  
Someshwar Science College, Someshwarnagar





॥ Tamaso ma Jyotirgamaya ॥

Shri Someshwar Shikshan Prasarak Mandal's

Phone (02112) 282728, 283187

## **SOMESHWAR VIDNYAN MAHAVIDYALAYA**

Someshwarnagar, Tal. Baramati, Dist : Pune (Pin : 412 306) Maharashtra, India  
(Affiliated to Savitribai Phule Pune University, Pune )  
Estd. : 2007

Govt. Reg. No. N.G.C. 2007(189/07)Mashi-3, Dt. 2 July 2007

College Code 827

University Appvl. No. IDNo. PU/PNS/284/2007

Ref. No. : SVM/ 2161/2017-18

Date : 07/02/2018

### **MEMORANDUM OF UNDERSTANDING**

#### **BETWEEN**

**SOMESHWAR SHIKSHAN PRASARAK MANDAL, SOMESHWARNAGAR'S  
SOMESHWAR SCIENCE COLLEGE, SOMESHWARNAGAR**

#### **AND**

**INSTAVISION LABORATORIES AND SERVICES, SATARA**

#### **FOR**

**CO-OPERATION IN THE FIELD OF FACULTY SHARING, STUDENT INTERNSHIP,  
RESEARCH**

This memorandum of understanding made between Someshwar Science College, Someshwarnagar Tal ; Baramati , Dist – Pune , Maharastra , and Insta Vision Laboratories and Services, 89, Raviwar Peth, Satara on 16 Feb. 2018

The two organizations in the Memorandum of Understanding are hereby agreed to establish collaboration according to terms and conditions set out in the articles following hereunder.

#### **1 - CO-OPERATION**

Co-operation between the two organizations will be established within any field related to science and technology of mutual interest and in particular in the fields of research, intellectual development, education, training and sharing of faculty.

## **2 - EXCHANGE OF FACULTY**

2.1 Someshwar Science College , Someshwarnagar will encourage collaboration in research areas of mutual interest.

2.2 Someshwar Science College , Someshwarnagar, will welcome and allow the Faculties of Insta Vision Laboratories and Services, Satara to visit the institute in order to carry out necessary scientific analysis of the samples with prior consent to impart technical knowledge to the students of Satara college of Pharmacy, Satara.

2.3 Someshwar Science College , Someshwarnagar will permit its expert faculties to engage in development of intellectual abilities of the faculties of the Insta Vision Laboratories and Services, Satara

2.4 Reciprocally, Insta Vision Laboratories and Services, Satara will welcome faculties from Satara college of Pharmacy, Satara to visit the unit in order to engage in scientific research and to adopt technical knowledge with prior consent.

## **3 - ENGAGEMENT OF STUDENTS FOR STUDENT INTERNSHIP AND VISITS**

3.1 Insta Vision Laboratories and Services, Satara will engage the students of Satara college of Pharmacy, Satara for student internship, visits with prior consent.

3.2 Every engaged student under the article 3.1 will obey all the rules and regulations of the host organization, the Insta Vision Laboratories and Services, Satara

## **4 - RESEARCH PROJECTS**

4.1 Efforts will be made to share information about on-going research activities in order to establish contacts and collaboration between two organizations.

4.2 The Insta Vision Laboratories and Services, Satara will permit to carry out research activities/research projects of students of Someshwar Science College , Someshwarnagar with prior consent. The composition of research project will be decided by Someshwar Science College , Someshwarnagar

4.3 The funds required to carry out research projects will be provided by Someshwar Science College , Someshwarnagar

4.4 Reciprocally, Someshwar Science College , Someshwarnagar will be involved in doing required analysis of drug samples/products of Insta Vision Laboratories and Services, Satara

**5 - Management and Administration:**

5.1 Negotiation, implementation and co-operation of the Memorandum of Understanding falls under the responsibility of

SOMESHWAR SHIKSHAN PRASARAK MANDAL, SOMESHWARNAGAR'S


**SOMESHWAR SCIENCE COLLEGE, SOMESHWARNAGAR**

Tel. : 02112282728 E-mail : svm.principal@yahoo.com

And

Insta Vision Laboratories and Services, 89, Raviwar Peth, Satara

Tel. : 02162-231311 E-mail – Instavisionlab@gmail.com

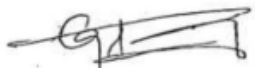
  
Principal  
Someshwar Science College, Someshwarnagar  
**Signing Authority**

Someshwar Science College  
Someshwarnagar



Date:

Place :

  
Signing Authority,  
07/02/2018  
Insta Vision Laboratories and Services,

Satara



Date:

Place:



Date: 14/02/2018

To,  
Principal  
Someshwar Science College  
Someshwarnagar, Ferramati

Subject: Permission for education trip, for  
T.Y. B.Sc. M.Sc-I & II (CHEMISTRY)

Respected sir,

With reference above subject, we have arranged education trip for M.Sc-I & II (Organic Chemistry) to Insta vision services & Laboratory, Satara on 16th Feb 2018. This education trip will be very useful to us & it will give hand on training of instruments. On our way back, we want to see Mahabaleshwar. So please give permission for education trip.

Schedule

6:30 Nisa → 9:00 Satara.  
9:30 to 1:00 training in Insta  
Vision Satara.  
Satara 2 to 4 Mahabaleshwar  
6:30 10-11 Someshwar

Total Students = 72  
Faculty = 08  
Total = 80.

To,  
Allow for  
Educational trip on  
the basis of Regulations  
of University of Pune &  
Responsibilities of all students

Yours Faithfully

Prapadeo  
Mr. Prapadeo V D

Prapadeo  
15/02/18





## Student Trip List

Date-16/02/18

Sr.No.	Name of the Students	Class	Student Contact Number	Parent Contact Number
1	Sabale Swapna R.	M.Sc.II	7774992627	8552013471
2	Chikane Pallavi V.	M.Sc.II	9561199592	9762064309
3	Wagh komal S.	M.Sc.II	8605359188	9552095003
4	Ghadage Sukanya B.	M.Sc.II	7721910445	9922864472
5	Thopate Ganesh V.	M.Sc.II	8482883458	8412862529
6	Jedhe Aniket S.	M.Sc.II	7887627772	9960705547
7	Adsul Nitin N.	M.Sc.II	7378683940	9881450101
8	Raut Akash H.	M.Sc.II	7757063131	8975989098
9	Dalavi Mangesh S.	M.Sc.II	8484825452	9860416279
10	Bankar Mangesh	M.Sc.II	8805751011	8787825252
11	Chavan Akshay R.	M.Sc.II	9623901810	8329570056
12	Kshirsagar Prasad S.	M.Sc.II	9762757124	9762175554
13	Shinde Sagar K.	M.Sc.II	7620845129	9673901810
14	Sayyad Sohail R.	M.Sc.II	9860541888	9970741689
15	Gambhire Rushikesh R.	M.Sc.II	9960705547	9960689363
16	Chavan Snehal V.	M.Sc.II	9922594357	9970355366
17	Dalvi Archana S.	M.Sc.II	7050946497	9604883756
18	Chavan Pooja K.	M.Sc.II	9561743518	9552740501
19	Shinde Ashwini	M.Sc.II	9961084860	9960144600
20	Pharande Kadambari Dhanjay.	M.Sc.I	9766105641	7387601932
21	Gaikwad Akashy Balasaheb	M.Sc.I	9096482956	8308206327
22	Mohite Govinda Nammdev	M.Sc.I	9966536056	9975756587
23	Gandhi Akashy Vilas	M.Sc.I	9689911913	8198736414
24	Thopate Sachin Bhagwan	M.Sc.I	7387418096	9146436497
25	Jagdale Sameer Dnyandev	M.Sc.I	9922160267	7066111236
26	Dagade Balubai	M.Sc.I	8417914081	8605848949
27	Gaikwad Sumit Ankush	M.Sc.I	8605385056	8605904183
28	Bhandwalkar Snehal Santosh	M.Sc.I	9011284935	9922989193
29	Lavhe Amol Ramchandra	M.Sc.I	8390367925	8390367425
30	Dhumal Pooja Rajendra	M.Sc.I	3637552201	9923552660
31	Patole Dhanashri Kailas	M.Sc.I	9921595432	9881292188
32	Chavan Prinyka Arun	M.Sc.I	9823997570	8888736521
33	Pardeshi Kajal Himmatlal	M.Sc.I	9168515142	9890516247
34	Shinde Shubham Ananda	M.Sc.I	9890175512	9890175512
35	Pawar priti Sonaba	M.Sc.I	7082830276	9683808395
36	<del>Lavhe Amol</del> Chavan daidipa	M.Sc.I	9860297300	9860562462
37	Choudhari Vaishali Jaywant	M.Sc.I	9049100260	9158204367
38	Lokhande Ganesh Suresh	M.Sc.I	9730640548	9822723638
39	Chormale Shekher Babu	M.Sc.I	7798664430	9867055218
40	Kshirsagar Nikita Suresh	M.Sc.:	9552600112	8888904447

## Student Trip List

Date-16/02/18

Sr.No.	Name of the student	Class	Student Contact Number	Parent Contact Number
1	Karnawar Shashikant B	T.Y.B.Sc. Chem	7066342588	7066342588
2	Gawade Pravin N.	T.Y.B.Sc. Chem	8956861414	8379910099
3	Kakade Rahul V.	T.Y.B.Sc. Chem	9657231010	9657231010
4	Jedhe Rushikesh N.	T.Y.B.Sc. Chem	9763473029	9604424151
5	Bhosale Sandip S.	T.Y.B.Sc. Chem	9860491517	9561994984
6	Thorat Avinash S.	T.Y.B.Sc. Chem	8308654047	7798918109
7	Khade Saket V.	T.Y.B.Sc. Chem	7218011877	7040136502
8	Lakade Anjali B.	T.Y.B.Sc. Chem	8205246910	9096495988
9	Naik Vanita V.	T.Y.B.Sc. Chem	9545752584	9822803824
10	Khatal Pranali G.	T.Y.B.Sc. Chem	7219772433	9881709154
11	Dandavate Vidya H	T.Y.B.Sc. Chem	7057315632	9552102104
12	Dhaigude Akash D.	T.Y.B.Sc. Chem	9970930348	9922041958
13	Masal Snehal	T.Y.B.Sc. Chem	7038375565	8390282473
14	Khormane Hemant P	T.Y.B.Sc. Chem	9637300314	9637300314
15	Thopate Rachana S.	T.Y.B.Sc. Chem	8551946962	8408006364
16	Nigade Aniket V.	T.Y.B.Sc. Chem	9523058839	7888297924
17	Nikam Abhijit S.	T.Y.B.Sc. Chem	7588955423	7387682513
18	Kamble Santosh A.	T.Y.B.Sc. Chem	9764960481	7887999727
19	Rajpure Shashikant V.	T.Y.B.Sc. Chem	9766043674	9284803844
20	Jagtap Abhijit H.	T.Y.B.Sc. Chem	8806679251	7798464195
21	Saste Snehal R	T.Y.B.Sc. Chem	9823486371	9850403164
22	Gaikwad Mayur H.	T.Y.B.Sc. Chem	9172373500	9970273009
23	Dhuma! Akash H	T.Y.B.Sc. Chem	9503443589	9860687903
24	Saste Gauri S.	T.Y.B.Sc. Chem	7212491525	96579714257
25	Kare Hausaram K.	T.Y.B.Sc. Chem	7744901747	7770073350
26	Khormane Ajay	T.Y.B.Sc. Chem	9766039033	9766751598
27	Dalavi Nikita S.	T.Y.B.Sc. Chem	9168062930	9112948821
28	Kharat Dada A.	T.Y.B.Sc. Chem	8888575902	8689298849
29	Thopate Komal B	T.Y.B.Sc. Chem	7057023148	9764928538
30	<del>Dhonde Anish</del> Thopate Tanay H.	T.Y.B.Sc. Chem	7057517196	7757847932
31	Taware Prashant	T.Y.B.Sc. Chem	7083437597	9223835404
32.	Shinde onkar J.	T.Y.B.Sc. Chem.	7745867625	9552357923
	Faculty			
1	Thopate V.D.			
2	Ghadge R.N.			
3	Shinde P.P.			
4	Nilakhe P.B			
5	Lakade A D			
6	Ghadge S.S			
7	Yadav M.D.			
8	Kakade A.R.			

*Prashant*  
HOD 18/02/2018  
CHEMISTRY



*Prashant*  
Principal  
Someshwar Science College, Someshwarwamagar



## Organization for Women in Science for the Developing World (OWSD)

ICTP Campus – Strada Costiera 11 – 34151 Trieste – Italy  
Phone: [+39 040] 2240460/492 - E-Mail: fellowships@owsd.net - Web: www.owsd.net

**OWSD Membership Number 13508**

17/3/2022

Dear **Ms. Madhuri Santosh Bhandwalkar**,

On behalf of the Organization for Women in Science for the Developing World (OWSD), I confirm that you were awarded **Full Membership** of the Organization on 25/1/2022.

If there is a National Chapter in your country, you have been automatically assigned to it. You may be a member of up to two National Chapters (as a national and a resident). Full lists of OWSD National Chapters and the OWSD members in your region are available on our website: **www.owsd.net**.

OWSD offers valuable programmes to encourage and enable women scientists throughout the developing world to pursue their research and career goals. As a member, we hope you will participate in these activities whenever possible and do your best to spread the word about OWSD in your regions. Currently, for example, OWSD offers PhD fellowships per year in STEM subjects to women from our list of science and technology lagging countries to undertake full time or part-time studies in recognized institutes throughout the South.

From 2018, OWSD also offers an exciting new fellowship scheme to Early Career women scientists from developing countries: up to USD 50,000 awarded to successful applicants who have already received PhDs and are now employed at an institute in one of the eligible countries. The fellowship is intended to provide the necessary resources and assistance to outstanding women scientists so they can build up internationally-recognized research teams and laboratories.

OWSD also provides 5 annual awards to recognize women scientists living and working in developing countries who have made significant contributions to the advancement of scientific knowledge. Details of each of these programmes can be found on the OWSD website.

As a Full OWSD member, you can attend the OWSD General Assembly and International Conference which takes place every four years. Also, as a Full member you have the right to vote for members of the executive board, elected at each General Assembly.

Should you require any further information please do not hesitate to contact the OWSD Secretariat by email at **membership@owsd.net**. The OWSD Secretariat is based in Trieste, Italy and shares offices with TWAS (The World Academy of Sciences for the advancement of science in developing countries).

Please also consult the TWAS website ([www.twas.org](http://www.twas.org)) which has a range of fellowships, awards and programmes of interest to OWSD members.

Yours sincerely,

Prof. Jennifer Thomson  
OWSD President

Madhuri Santosh Bhandwalkar  
A/p Karanje, near Someshwar mandir, Tal. baramati,  
Dist. Pune 412306  
Baramati - India



Principal  
Someshwar Science College, Someshwar nagar