



# BHILAI MAHILA MAHAVIDYALAYA

HOSPITAL SECTOR, BHILAI NAGAR (C.G.) 490 009

(Managed by Bhilai Education Trust)

(Affiliated to Hemchand Yadav Vishwavidyalaya, Durg)

Recognized Under Section 2(f) and 12(B) of the UGC Act 1956

NAAC Accredited with B Grade

Ph. 0788-2242699

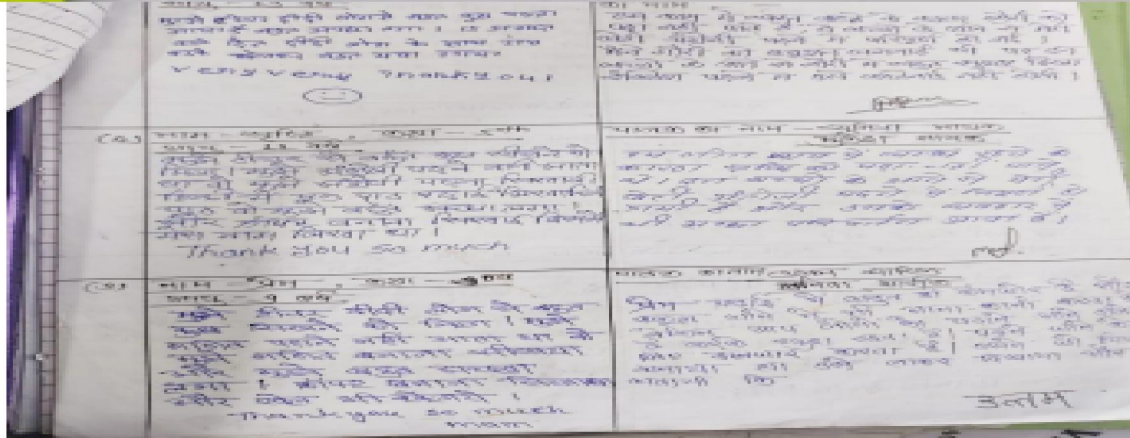
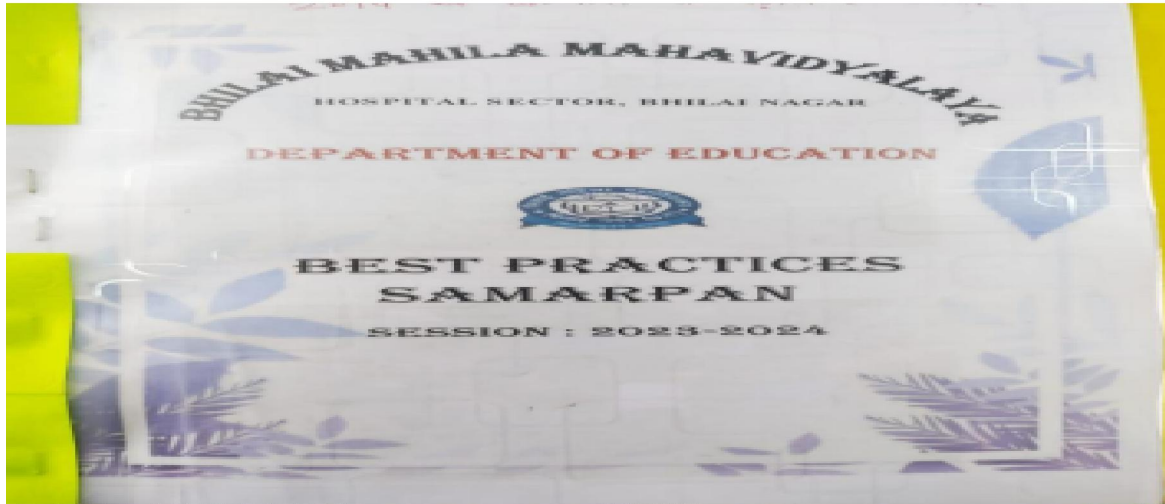
0788-2242078

website : [www.bmbhilai.com](http://www.bmbhilai.com)

Email : [bmmprnci19@gmail.com](mailto:bmmprnci19@gmail.com)

[bmhila@rediffmail.com](mailto:bmhila@rediffmail.com)

## Programme File



  
Principal  
Bhilai Mahila Mahavidyalaya  
Hospital Sector, Bhilai, Durg (C.G.)



Student Teacher	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
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Sonam Jureshiya	Triger	Triger	Triger	Triger	Triger	Triger									Triger	Triger	Triger	Triger	Triger	Triger		Triger	Triger	Triger		Triger	Triger		Triger	Triger	Triger
Bhagradevi	Blayak	Blayak	Blayak	Blayak	Blayak	Blayak		Blayak		Blayak	Blayak	Blayak	Blayak		Blayak	Blayak	Blayak	Blayak	Blayak	Blayak		Blayak	Blayak	Blayak		Blayak	Blayak		Blayak	Blayak	Blayak



Name of the student studied course on experiential learning through project work

Sl.No	Name of Students	Alloted topic	Name of the programmed
1.	Archana Patel	Isolation of fungal Pathogen from Air	MSc sem III Botany
2.	Bhanupriya		
3.	Chanchal Sahu		
4.	Deepika Das		
5.	Jagrati Kashyap		
6.	Jaishree		
7.	Jayantri	Isolation of fungal Pathogen from Rhizospheric region	
8.	Kajal Sinha		
9.	Manisha Chandrakar		
10.	Megha Nareti		
11.	Pakhi Singh Thakur		
12.	Payal Chapdi		
13.	Sheela Jangde	Isolation of fungal Pathogen from Phyllospheric region	
14.	Shraddha Vaishnav		
15.	Shweta Sahu		
16.	Sudha Thakur		
17.	Tomeshwari Thakur		
18.	Vasundhra Patel		

To  
Date: 01/02/2024

The Principal  
Bhilai Mahila Mahavidyalaya, Hospital Sector, Bhilai  
Sub. Permission to start a project in the Department of Botany  
Respected Ma'am,

This is to bring to your kind notice that the Department of Botany seeks your kind permission to start a project for students of MSc III under subject incharge Dr Deeptri Chauhan. The project topic is related to Botany but is not included in the prescribed syllabus of MSc Botany.  
So, kindly permit us to conduct the project in the current session (2023-2024).

Name of the student studied course on experiential learning through project work

Sl.No	Name of Students	Alloted topic
1.	Archana Patel	Isolation of fungal Pathogen from Air
2.	Bhanupriya	
3.	Chanchal Sahu	
4.	Deepika Das	
5.	Jagrati Kashyap	
6.	Jaishree	
7.	Jayantri	Isolation of fungal Pathogen from Rhizospheric region
8.	Kajal Sinha	
9.	Manisha Chandrakar	
10.	Megha Nareti	
11.	Pakhi Singh Thakur	
12.	Payal Chapdi	
13.	Sheela Jangde	Isolation of fungal Pathogen from Phyllospheric region
14.	Shraddha Vaishnav	
15.	Shweta Sahu	
16.	Sudha Thakur	
17.	Tomeshwari Thakur	
18.	Vasundhra Patel	

Thanking you,

Yours sincerely  
Dr. Pratiksha Pandey  
HOD Botany  
Dr. Deeptri Chauhan  
(Project incharge)

  
BHILAI MAHILA MAHAVIDYALAYA  
HOSPITAL SECTOR, BHILAI (C.G.) 490006  
Affiliated to Hemchandra Yadav  
Vishwavidyalaya Raipur Naka, Durg, Bilhali  
(C.G) Recognized under section 2 (F&I2  
(B) of the UGC Act 196

**CERTIFICATE**

This is to certify that the project titled "Isolation of fungal pathogen from Air" has been successfully completed by Ms. Deepika Das, Ms. Archana Patel, Ms. Chanchal Sahu, Ms. Bhanupriya, Ms. Jagrati Kashyap, Ms. Jaishree under my guidance & supervision. This Project has been completed towards the requirement for partial fulfillment of,

M.Sc. 4th Semester Botany  
(Session 2023-2024)

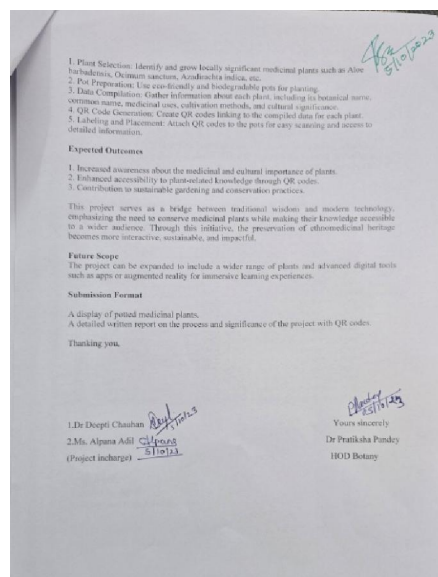
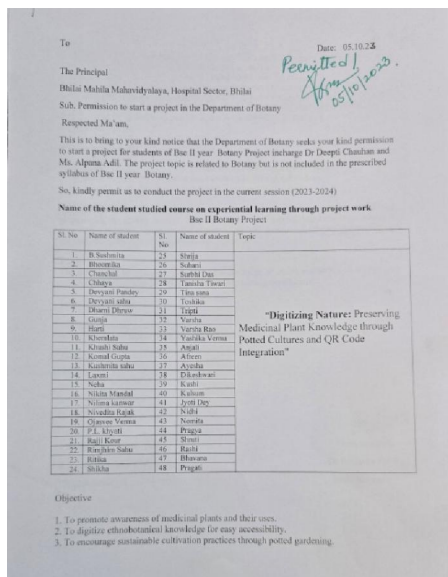
Dr. Mrs. Pratiksha Pandey  
(H.O.D. of Botany Department)  
BMM Bhilai Nagar (C.G.)

Dr. Mrs. Sandhya Madan Mohan  
PRINCIPAL  
BMM Bhilai Nagar (C.G.)

Dr. Mrs. Deeptri Chauhan  
(Asst. Professor of Botany Department)  
BMM Bhilai Nagar (C.G.)

Name of the student studied course on experiential learning through project work

Sl. No	Name of student	Sl. No	Name of student	Topic	Name of the programmed
1.	B.Sushmita	25	Shrija	"Digitizing Nature: Preserving Medicinal Plant Knowledge through Potted Cultures and QR Code Integration"	Bsc II Botany Project
2.	Bhoomika	26	Suhani		
3.	Chanchal	27	Surbhi Das		
4.	Chhaya	28	Tanisha Tiwari		
5.	Devyani Pandey	29	Tina sana		
6.	Devyani sahu	30	Toshika		
7.	Dharni Dhruw	31	Tripti		
8.	Gunja	32	Varsha		
9.	Harti	33	Varsha Rao		
10.	Khemlata	34	Yashika Verma		
11.	Khushi Sahu	35	Anjali		
12.	Komal Gupta	36	Afreen		
13.	Kushmita sahu	37	Ayesha		
14.	Laxmi	38	Dikeshwari		
15.	Neha	39	Kushi		
16.	Nikita Mandal	40	Kulsum		
17.	Nilima kanwar	41	Jyoti Dey		
18.	Nivedita Rajak	42	Nidhi		
19.	Ojasvee Verma	43	Nomita		
20.	P.L. khyati	44	Pragya		
21.	Rajji Kour	45	Shruti		
22.	Rimjhim Sahu	46	Rashi		
23.	Ritika	47	Bhavana		
24.	Shikha	48	Pragati		



### Medicinal Uses -

- Aloe vera has been traditionally used to treat skin injuries (burns, cuts, insect bites and eczemas) and digestive problems because its anti-inflammatory, antimicrobial and wound healing properties.
- This Research on this medicinal plant has been aimed at validating traditional uses and deepening the mechanism of action, identifying the most investing the compound responsible for Aloe vera and its active compounds.
- Review provides an overview of current studies Pharmacological (in vitro, in vivo, and clinical trials) Written in English during the last six year (2024-2019).
- Most recent works are in vivo. Clinical therefore have been conducted just with aloe vera, but not with isolated compounds: there for, it would be interesting to study the clinical effect of relevant metabolites in different human conditions and pathologies.
- The promising results of these studies in basic research encourage a greater number of clinical trials to test the clinical application of Aloe vera and its main compounds, particularly on bone protection, cancer, and diabetes.



Submitted By : Nilima Kanwar  
Father's Name : Mr. Santosh Kumar Kanwar  
Class : B.S.C. 2<sup>nd</sup> Year (Bio)  
[https://en.m.wikipedia.org/wiki/Aloe\\_vera](https://en.m.wikipedia.org/wiki/Aloe_vera)

Checked

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Botanical Name - *Burm. F. L.*

Common Name - **Aloe vera**

Family Name - **Asphodelaceae**



### Morphological Characters -

- An evergreen perennial, it originates from the Arabian Peninsula, but also grows wild in tropical, semi-tropical, and arid climates around the world.
- It is cultivated for commercial products, mainly as a topical treatment used over centuries. The species is attractive for decorative purposes, and succeeds indoors as a potted plant
- The leaves of *Aloe vera* contain significant amounts of the polysaccharide gel acemannan, which can be used for topical purposes.
- Aloe skin contains aloin which is toxic. Products made from *Aloe vera* usually only use the gel.
- There are many products containing aloe vera's *acemannan*, including skin lotions, cosmetics, ointments and gels for minor burns, skin abrasions, insect bites, and windburn.



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Nilima Kanwar B.S.C. 2<sup>nd</sup> Year (Bio)