

B.L.D.E Association's  
S.B. Arts and K.C.P. Science College, Vijayapur

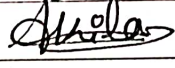

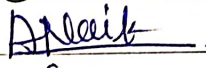

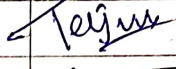



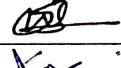

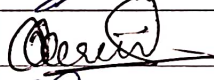
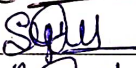






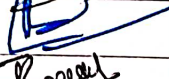
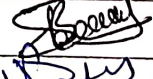
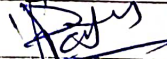
DEPARTMENT OF CHEMISTRY

**“FIELD VISIT”**

**BABALESHWAR**

**2019-2020**

## List of Participants

S.No	Name of Students	Signature
1	Akhila Karani	
2	Rashmi Dashyal	Rashmi. D
3	Harshita Bhat	
4	Akshata Naik	
5	Renuka Siddwadkar	
6	Tejashwini Hitnalli	
7	Shreyas Deshpande	
8	Sarvajnya S B	S.S.B
9	Chandrashekar Sherikar	
10	Kavya muttagi	
11	Soumya Warad	
12	Soumya Muttagi	
13	Veeresh Kambi	
14	Santhosh Yallur	
15	Aishwarya Kaladagi	
16	Geresh Hiremath	
17	Chandrashekar	
<b>Staff Members</b>		
1	Dr.M.I.Kumbar	
2	Dr.M.S.Yadawe	
3	Dr.A.S.Pujar	
4	Dr.U.S.Pujeri	
5	Prof. Savitri Biradar	
6	Dr.Vidya Patil	



**Head**  
Dept. of Chemistry  
SB Arts & KCP Sc. College,  
Vijayapur.



**IQAC, Co-ordinator**  
S.B.Arts & K.C.P.Science College,  
Vijayapur.



**Principal,**  
S.B.Arts & K.C.P. Science College,  
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# OBJECTIVES

## Soil and Water Testing

Soil analysis is a set of various chemical processes that determine the amount of available plant nutrients in the soil, but also the chemical, physical and biological soil properties important for plant nutrition, or "soil health". Chemical soil analysis determines the content of basic plant nutrients; nitrogen (N), phosphorus ( $P_2O_5$ ), potassium ( $K_2O$ ), pH, humus content, organic matter, total sulphur (S), trace elements, and other physical characteristics ( pH - value)

Evaluation of fertility status of soil

Estimation of the available nutrients status of soil

Evaluation of the suitability of soil for laying garden

Determination of acidity, salinity and alkalinity problems and

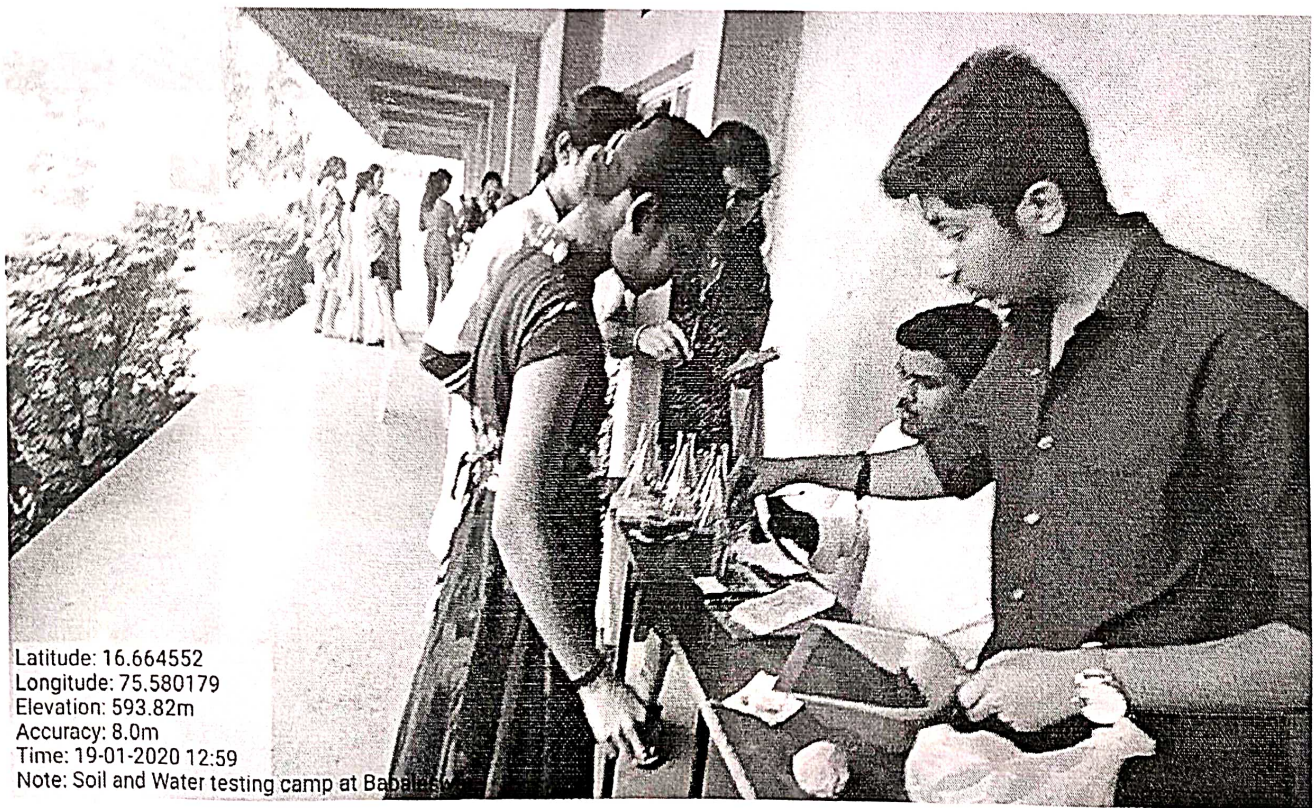
Recommendation of the required amount of fertilizers, lime or gypsum based on soil test value.

Irrigation water quality is a critical aspect of greenhouse crop production. There are many factors which determine water quality. Among the most important are alkalinity, pH and soluble salts. But there are several other factors to consider, such as whether hard water salts such as calcium and magnesium or heavy metals that can clog irrigation systems or individual toxic ions are present. In order to determine this, water must be tested at a laboratory that is equipped to test water for agricultural irrigation purposes.

Poor quality water can be responsible for slow growth, poor aesthetic quality of the crop and, in some cases, can result in the gradual death of the plants. High soluble salts can directly injure roots, interfering with water and nutrient uptake. Salts can accumulate in plant leaf margins, causing burning of the edges. Water with high alkalinity can adversely affect the pH of the growing medium, interfering with nutrient uptake and causing nutrient deficiencies which compromise plant health.



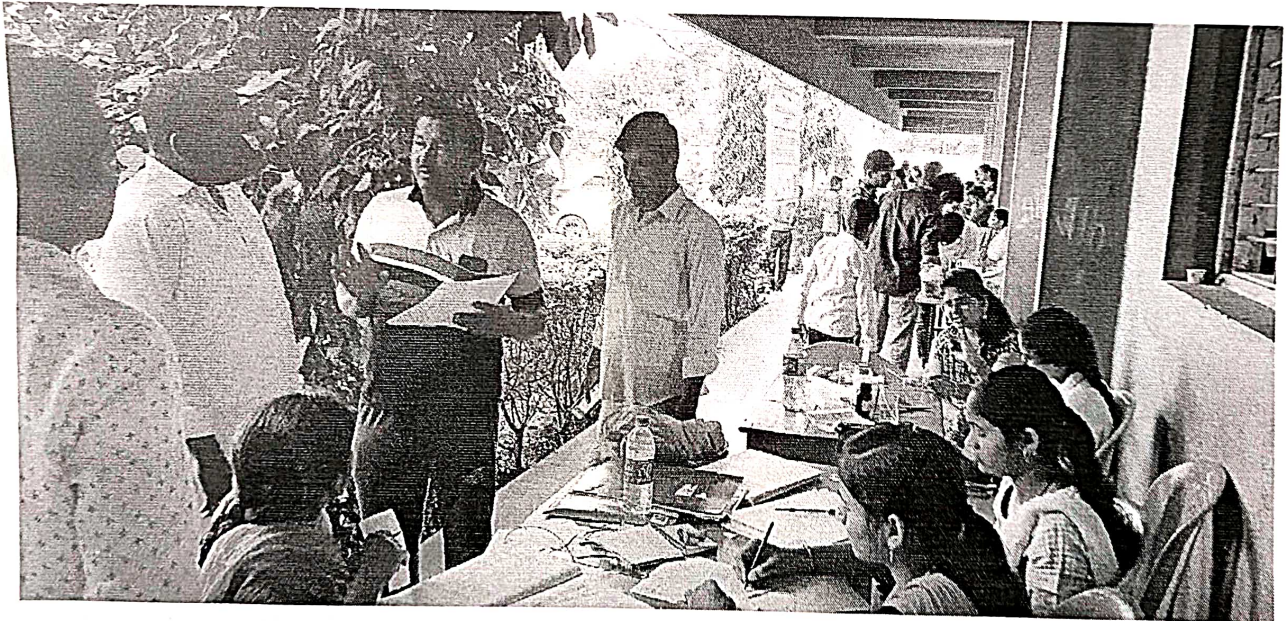
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Elevation: 599.38m  
Accuracy: 4.0m  
Time: 19-01-2020 10:46  
Note: Soil and Water testing



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Elevation: 593.82m  
Accuracy: 8.0m  
Time: 19-01-2020 12:59  
Note: Soil and Water testing camp at Babaleshwar



Latitude: 16.664497  
Longitude: 75.580269  
Elevation: 596.92m  
Accuracy: 6.0m  
Time: 19-01-2020 13:00  
Note: Soil and Water testing



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## REPORT

B.L.D.E.A's S.B.Arts and K.C.P.Science College ,  
Vijayapur , started an innovative programme to provide soil  
and water awareness to farmers in order to get good crop  
yields.

Under this program soil samples are collected on the spot  
and analysed as well. Based on the results farmers were  
recommended fertilizers and crop planning.

On 19/1/2020 students along with staff visited Babaleshwar  
.Over hundred soil samples were analysed and over 25  
water samples were analysed.

Students examined the soil and water samples and  
explained it to the farmers. The nutrient values in the soil  
and water were analysed .

This field visit helped farmers in understanding the  
importance of soil and water testing. This visit helped  
farmers in under standing their soil and helped in  
identifying the right amount of fertilizer and crop. Also  
students realized the struggles of farmers.

**Head**

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