

B.L.D.E Association's

S.B. Arts and K.C.P. Science College, Vijayapur


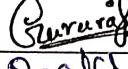

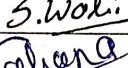
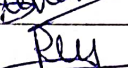

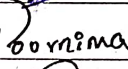
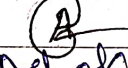
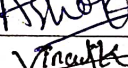
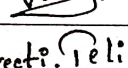
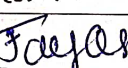
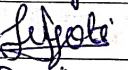
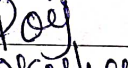
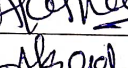

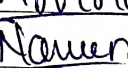

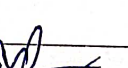






DEPARTMENT OF CHEMISTRY

“FIELD VISIT”

BABANAGAR

2018-2019

List of Participants

S.No	Name of Students	Signature
1	Laxmi Mutagond	
2	Gururaj Metri	
3	Pooja H	
4	Payal Lohiya	
5	Sahana Wali	
6	Prasad Sali	
7	Savitri Nagtan	
8	Poornima Katti	
9	Ashok Masali	
10	Ashvini Hadimani	
11	Vinayak Kulkarni	
12	Preeti Teli	
13	Jayashree	
14	Jyoti Savalagi	
15	Pooja Bagalkot	
16	Akshata Loni	
17	Akash Rathod	
18	Arvind Chavan	
19	Naveen Metri	
20	Aveenash Poojari	
Staff Members		
1	Dr.M.I.Kumbar	
2	Dr.M.S.Yadawe	
3	Dr.A.S.Pujar	
4	Dr.U.S.Pujeri	



Head

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



Principal,
S.B.Arts & K.C.P. Science College,
VIJAYAPUR.

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.

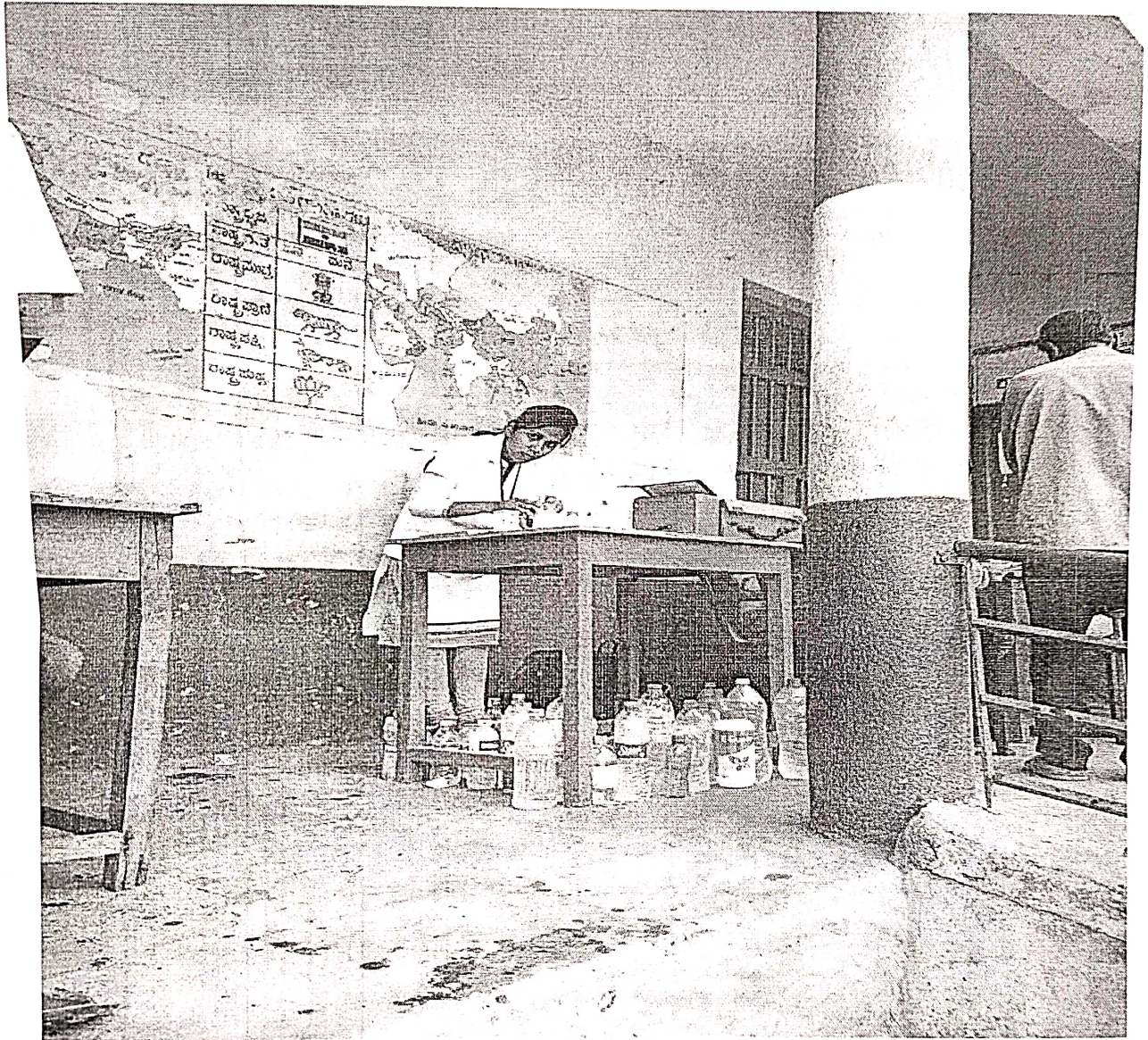
Irrigation water quality is a critical aspect of greenhouse crop production. There are many factors which determine water quality. Among the most important are alkalinity, pH and soluble salts. But there are several other factors to consider, such as whether hard water salts such as calcium and magnesium 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.

ಕಿರಿಯ ಪ್ರಾಥಮಿಕ ಶಾಲೆ ಬಾಬಾನಗರ, ಫಿಜಿಪುರ.



Students involved in the camp



Student performing the water analysis

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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 09/02/2019 students along with staff visited Babanagar .Over hundred soil samples were analysed and over 30 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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