

GOVERNMENT DEGREE COLLEGE, NAGARI

DEPARTMENT OF CHEMISTRY

STUDENT STUDY PROJECTS

2021-2022

Sl. No.	Name of the faculty	Title of the project	No. of students participated
1	Dr. T. Narasaiah	Water pollution	5
2	Dr. T. Narasaiah	Soil pollution	10
3	Smt. k. Sivalakshmi	Dying of fabrics	13
4	Smt. k. Sivalakshmi	Determination of glucose in human plasma	5
5	Smt. G. Munikumari	Quality of water	12
6	Smt. G. Munikumari	Food colours their adverse effect and remedies	04

GOVERNMENT DEGREE COLLEGE: NAGARI

Department of Chemistry

Student study projects

2021-22

QUALITY OF WATER

Submitted To
Department of Chemistry
GDC, NAGARI



Submitted By

S NAVEEN

S MADHAN

T A DIVYASREE

T SIVA

V KARUNA

T A JANANI

R MUNESWARI

S RAMYA

S M SABURDHIN

T M RAJESWARI

V GEETHA

II BZC TM

GOVT. DEGREE COLLEGE, NAGARI

GUIDED BY

FACULTY MENTOR

G. MUNI KUMARI

LECTURER IN-CHARGE & WEC CONVENOR

DEPARTMENT OF BOTANY

GOVT. DEGREE COLLEGE

**NAGARI, CHITTOOR DIST.
ANDHRA PRADESH JUNE, 2022**

ABSTRACT

Water is perhaps the most precious natural resource after air. Though the surface of the earth is mostly consists of water, only a small part of it is usable, which makes this resource limited. This precious and limited resource, therefore, must be used with care. As water is required for different purposes, the suitability of it must be checked before use. Also, sources of water must be monitored regularly to determine whether they are in sound health or not. Poor condition of water bodies are not only the indictor of environmental degradation, it is also a threat to the ecosystem. In industries, improper quality of water may cause hazards and severe economic loss. Thus, the quality of water is very important in both environmental and economic aspects. Thus, water quality analysis is essential for using it in any purpose. After years of research, water quality analysis is now consists of some standard protocols. There are guidelines for sampling, preservation and analysis of the samples. Here the standard chain of action is discussed briefly so that it may be useful to the analysts and researchers.

Most of the parameters were not found to be in the desirable range for drinking water & hence, appropriate measures were suggested to improve the quality of water.



	11:27 AM		kandriga(V)			area. Is quality! water in the area is supplied
	30-05-2022 11:41 AM	B.Hari krishna	1-176A Nethem kandriga	Male/19	7013694 772	In This House have Bore well and Water Has Normal Quality
Day 5.	31-05-2022 12:04 PM	M.Vijay kumar	1-76 Melapattu (V)	Male/44	8019331 098	In This House have Bore well and Water Has Normal Quality
	31-05-2022 12:26 PM	M.Ramesh	1-88 Melapattu (V)	Male/52	9989004 402	This House uses tank water in the area. Is quality! water in the area is supplied
Day 6.	01-06-2022 10:21 AM	M.Balayya	1-65 Melapattu (V)	Male/68	9866528 602	This House uses tank water in the area. Is quality! water in the area is supplied
	01-06-2022 10:35 AM	M.K.Elumala i	3-20 Melapattu (V)	Male/61	9618802 272	In This House Borewell and Water has Normal Quality

T.siva .

G. Anil Kumar

GOVERNMENT DEGREE COLLEGE: NAGARI

Department of Chemistry

Student study projects

2021-22

DYEING OF FABRICS

Submitted To
Department of Chemistry
CDC, NAGARI



Submitted By
B Karthikeyan
A ABHITHA
A PRAVEEN KUMAR
A PRAGATHI
A AKHILA
A INDHUMATHI
A DILLI SWATHI
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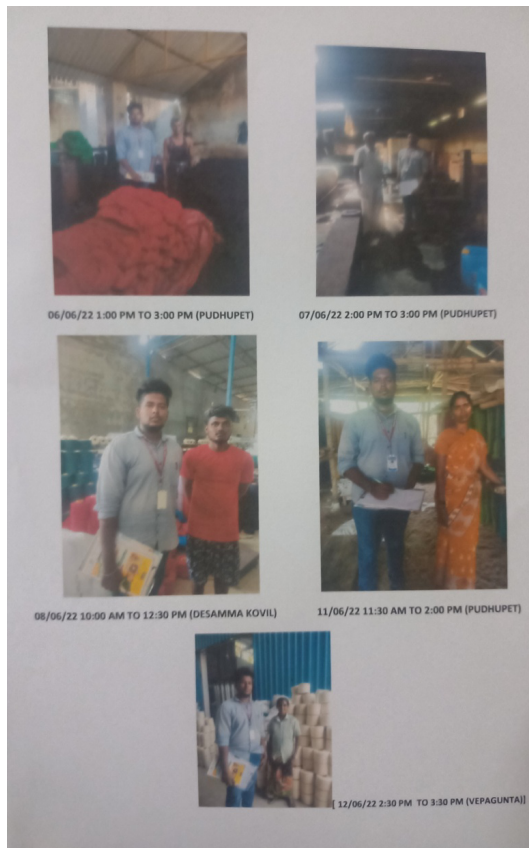
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NAGARI, CHITTOOR DIST.
ANDHRA PRADESH JUNE, 2022

ABSTRACT

Nowadays CVC knit fabric is dyed with pretreatment. As a result huge amount of chemicals, water, time, money etc are required. But if it is done without pretreatment, the result could have been better and the cost will be minimized. By comparing pretreated and without pretreated fabric, the color fastness properties are same. But the strength, KS value is comparatively higher than the pretreated fabric. On the other hand without pretreated fabric can save chemicals, time, water, money etc. So considering these results it can be introduced in garments or textile industries as a new era of less pollution dyeing system will be opened obviously.



GOVERNMENT DEGREE COLLEGE NAGARI
COMMUNITY SERVICE PROJECT
LOGBOOK FOR FIRST WEEK
COMMUNITY SURVEY

Name of the student:

Name of the faculty mentor:

Day: _____

S.No	Date & time of visit	Name of the person interviewed	House address	Gender & age	Mobile number	Observations made during survey
1	28/05/22 11:00 to 12:00	A. Ravi	Vepagunta Puttur mandal	Male 50	9963720359	In Power looms they are producing sound noise
2	29/05/22 10:00 to 11:00	P.G.B. Viswanathan	9/1/102/1 B.T.M street, Pudhupet	Male 45	9490620945	They are producing different colours of fabrics
3	30/05/22 10:00 to 12:00	P.M. Ezhilarasan	B.T.M street, Pudhupet	Male 52	9440271029	N-Touch Control Design of colours are used
4	31/05/22 10:00 to 12:00	K. Ramasamy	Grundrajukuppam	Male 60	9321007210	Dyeing with different
5	01/06/22 10:30 to 12:00	T. Ramesh	Bheema Nagar	Male 55	7321073514	All the dyes are synthetic
6	02/06/22 09:00 to 12:00	R. Gopi	Grundrajukuppam	Male 58	9217371472	There are all cotton sarees
7	03/06/22 10:00 to 12:00	B.M. Ravi	Rajulakandriga	Male 55	9441329725	I observed the 5 types of dyes
8	04/06/22 11:30 to 1:00	Duraiyamma	Kamayal street Pudhupet	Female 56	7893069907	I observed producing pure cotton dyed cotton threads
9	05/06/22 01:00 to 3:30	M. Lakshmi	Pudhupet	Female 34	7382064505	There are mostly used machines are huge
10	06/06/22 02:00 to 3:30	S. Kunnan	Bheema Nagar	Male 51	8977170511	In Power looms they are using hand made
11	09/06/22 01:00 to 3:30	Munuswamy	Mudipalli	Male 47	9257032110	Most of the dyeing technique contain pure cotton dyeing
12	10/06/22 1:00 to 3:00	Periyadevan	Desama Kovil	Male 54	8121248564	The role of dyeing types of chemicals in dyeing
13	11/06/22 1:00 to 11:00	D. Amredh	Pudhupet	Male 27	6300038747	They use different thread is done by hand
14	12/06/22 10:30 to 1:00	P.B. Annamalai	Pudhupet	Male 21	7337203592	The process of dyeing of fabric is used for their colour
15	13/06/22 11:00 to 1:00	G. Sukthi	Pudhupet	Male 25	7702181196	Different chemicals in

B. Kavalikumar
Signature of the student

K. Sivalan
Signature of the Faculty Mentor

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Department of Chemistry

Student study projects

2021-22

DYEING OF FABRICS

Submitted To
Department of Chemistry
GDC, NAGARI



Submitted By
P M SANGEETHA
P R KAVYA
P RISHITHA
D MARIYAMMAL
R RUPA
S HARATHI
T ARUL
T VISWANADH

II BZC EM
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NAGARI, CHITTOOR DIST.
ANDHRA PRADESH JUNE, 2022

Abstract

Soil pollution is becoming a greater threat to the environment, especially as populations and industrial economies expand. There are studies to suggest that several plant species may be useful in reducing the migration of such pollution further down the soil column or perhaps even into the ground water. Given its widespread natural habitat, dandelions (*Taraxacum officinale*) are an appealing prospect for such soil remediation. The bentgrass family (genus *Agrostis*) is also an attractive candidate for study, as some species of this group have also been studied for metal uptake. Uptake of metals by a plant is when the plant takes the metals out of the soil and somehow stabilizes it away from the rest of the soil matrix. This experiment will examine the ability of dandelion and a native-Alaskan strain of Bentgrass to uptake metal contaminants from its growth medium, which is most often soil. For purposes of the control of extraneous variables, the soil will be replaced by a Hydroponic nutrient solution and glass wool for stabilization. Research of this nature is necessary for the Alaskan landscape: since this state has a colder climate than the other areas in which phytoremediation has been studied, cold tolerant plants have rarely been studied for this ability. In addition, invasive species need to be excluded from this type of study in Alaska, as the preservation of wild flora is important to our state ecosystem.



S.No	Date of the visit	Name of the person interviewed	Name of the village	House Number	Mobile Number	Observation made during survey.
1	13.6.2022 Tuesday (9:30)	Sekhar	Ekambaram Kuppam	1-27	949363137	* collect and donate hygiene products including period products
2	14.6.2022 Wednesday (10:10)	Anmol/hapi	Ekambaram Kuppam	5-175	9492067140	* collect and donate backpack, volunteer as a life guard.
3	15.6.2022 Thursday (9:45)	Ekmalai	Ekambaram Kuppam	5-72	6302681406	* paint over bad graffiti in the neighborhood, volunteer as a life guard
4	16.6.2022 Friday	Leathirigga	Ekambaram Kuppam	6-117	944995450	* A service component where the student spends time serving in the community meeting actual.

