

ACTIVITY REPORT**BASIC DETAIL-****NAME OF ACTIVITY-Seminar on Human Wildlife Conflicts****VENUE-KGDBLM, COLLEGE, KUNDAL****Date- 30thDec. 2021.****NATURE-Guest Lecture****BRIEF INFORMATION ABOUT ACTIVITY-**

Our college always tries for student career activity, that Manner College performs MOU with Krantisinha Nana Patil College Walwa. Our college arranges the guest lecture for student, as for career guidance and soft skill, in that activity the all student from B.Sc. department are present.


In that seminar the Mr. M. R. Abdar sir gives brief information about the Human Wildlife Conflicts and how's the student prepare for that. Also gives the students to develop your soft skill. In That Lecture Describe the Career Opportunity for Students also. For B.Sc. students they can explain how that student prepare for their future jobs in biodiversity.

OBJECTIVE-

Objective of that Guest Lecture is to particular student and gives the current knowledge about Human Wildlife Conflicts trends and career opportunities in biodiversity trends and develop student's soft skill. For that seminar from our college 40 students are present from B.Sc.

OUTCOMES-

Behalf of his seminar the student give proper knowledge about what thinks are important in Human Wildlife Conflicts and how's we prepare for that and how's we prepare our soft skill .


Incharge Principal
Krantiagrani Dr. G. D. Babu Lad
Mahavidyalaya, Kundal.
Tal. Palus, Dist. Sangli.

क्रांतिअग्रणी डॉ.जी. डी. बापू लाड महाविद्यालय, कुंडल



Guest Lecture on


' Human Wildlife Conflicts'

कार्यक्रम पत्रिका



गुरुवार दि. ३०/१२/२०२१

- ★ प्रतिमापूजन व दीपप्रज्वलन :- प्रमुख मान्यवर
 - ★ स्वागत प्रास्ताविक :- मा.प्र.प्राचार्य डॉ.पी.बी लाड
 - ★ प्रमुख पाहुणे परिचय :- प्रा. स्नेहा काटे
 - ★ सत्कार समारंभ :- प्रमुख मान्यवर
 - ★ प्रमुख पाहुणे मनोगत :- मा. डॉ. एम. आर. आबदार
 - ★ आभार :- प्रा. किरण शिंदे
 - ★ सूत्रसंचालन :- कु. मयुरी नलवडे
- कु. अदिती भागवत


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GUEST LECTURE



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Tal - Palus, Dis - Sangli

Name of Program 'Human Wildlife Conflicts'
Guest Lecture Date- 30/12/2021

Sir No	Student Name	Class	Signature
1	Aboli Dhanaji Nalage	B.Sc II	A.D. Nalage
2	Sakshi Sandip Kadam	B.Sc II	S.Kadam
3	Shruti Mahadev Jadhav	B.Sc II	Shruti
4	Ankita Ashok Dubal	B.Sc II	Adubal
5	Pratiksha Dhandiram Shinde	B.Sc II	P.S. Shinde
6	Vaishnavi Sachin Tandale	B.Sc-II	V.S.T.
7	Bhagyashree Ankush Salunkhe	B.Sc-II	B.Salunkhe
8	Ankita Dhanaji Suryawanshi	B.Sc-II	ADS
9	Shewita Subhash Pevkule	B.Sc-II	SSP
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Name of Program - 'Human Wildlife conflicts' (Guest Lecture) Date- 30/12/2021

Sir No	Student Name	Class	Signature
1	IRFAN SIKANDAR SHIKALGAR	B-sc III	[Signature]
2	Vishwanjeet Namdev Bakare	B.Sc.III	[Signature]
3	Dinesh Rajendra Lipare	B.Sc.III	[Signature]
4	Akash Sambhaji Mali	B.Sc.III	[Signature]
5	Shubham Shankar Mohite	B.Sc.III	[Signature]
6	Raviraj Bharat Deshmukh	B.Sc.III	[Signature]
7	Sunny Sanjay patil	B.Sc.III	[Signature]
8	Digvijay Arjun Chavan	B.Sc.III	D.A.chavan
9	Aniket Shankar Mohite	B.Sc.III	[Signature]
10	Abhishek Rajendra Dupate	B.Sc.III	[Signature]
11	shubham Anandrao Patil	B.Sc.III	[Signature]
12	Abhijeet raghunath jadhav	B.Sc.III	[Signature]
13	omkar Anand patil	B.Sc.III	[Signature]
14	Nikhil Rajendra Lad	B.Sc.III	[Signature]
15	Swapnil chandekar kumbhar	B.Sc.III	[Signature]
16	sunny Sanjay sawant	B.Sc.III	[Signature]
17	Amar mahadev pawar	B.Sc.III	[Signature]
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Name of Program 'Human Wildlife
 Conflicts'
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Date- 30/12/2021

Sir No	Student Name	Class	Signature
1	Aditi Datta Bhagawat	BSc III	Bhagawat
2	Mayuri Sanjay Nalawade	BSc III	M.S.N
3	Rasika Shivaji Lad.	BSc III	Rasika
4	varsha Lalaso Jadhav	BSc III	Varsha
5	Rutuja Chandrakant Ghorapade	B.Sc III	R.Ghorapade
6	peesa Hanmant chavan	B.Sc III	Richavani
7	Sonali Anil Dislae.	B.Sc III	SADislae
8	pallavi shivaji Avghade	B.Sc III	Pavavghade
9	saloni Bhaskar Patole	B.Sc III	SBpatole
10	snehal Sachin Gaikwad	B.Sc III	Sgaikwad
11	Pranita Jagnnath patole	B.Sc III	P.patole
12	Arti Gajanan Mail.	B.Sc III	A.G.M.
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Krantiagrani G.D. Babu Lad Mahavidyalaya kudal

Department Of Chemistry

Expert lecture report.

Academic year 2022-23.expert guest lectures were conducted by the department of chemistry 2022-23 for the students of chemistry .

For this lecture ex head of department of chemistry in Y.C.college satara A. N. yadav sir had come sir .he told the practical information.in very simple language to the students .how to study in Bsc. properly guided regarding the preparation of next SET.NET exam.this time the response of the students was very good .the children liked the lecture very much and it will be useful in the future.



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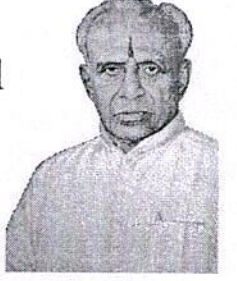
President

Hon. Arun Ganpati Lad

Ph. No (02346) 271720

Website - www.kgdbapuladcollege.in

Email:- kgdblm@gmail.com



Incharge Principal

Dr. J. A. Patil

M.A., B.Ed., M.Phil., Ph.D.

Ref. No.: १५५/२२-२३

Date: - ०९/१०/२२

प्रति,

मा. डॉ. ए. एन. यादव

माजी रसायनशास्त्र विभाग प्रमुख ,

वाय. सी. कॉलेज, सातारा

विषय : व्याख्यानास उपस्थित राहणे बाबत ...

महोदय ,

वरील विषयास अनुसरून आपणास विनंती करतो की, आमचे महाविद्यालयातील बी.एस्सी. भाग १ व २ मधील विद्यार्थ्यांना रसायनशास्त्र या विषयाचे व्याख्यान देणेसाठी गुरुवार दि. ०१/०९/२०२२ रोजी सकाळी ११.३० वा आपण उपस्थित राहावे. हि नम्र विनंती

कळावे

आपला विश्वासू

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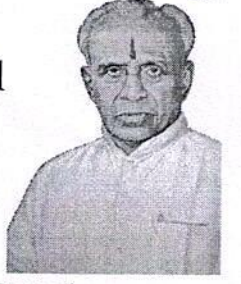
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M.A., B.Ed., M.Phil., Ph.D.

Ref. No.: २२४/२२-२३

Date: - ०९/१०/२२

प्रति,

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माजी रसायनशास्त्र विभाग प्रमुख ,

वाय. सी. कॉलेज, सातारा

विषय : व्याख्यानास उपस्थित राहिले बाबत ...

महोदय ,

आमचे महाविद्यालयातील बी.एस्सी. भाग १ व २ मधील विद्यार्थ्यांना रसायनशास्त्र या विषयाचे व्याख्यान देणेसाठी गुरुवार दि. ०९/१०/२०२२ आपण उपस्थित राहून आपण मार्गदर्शन केले त्याबद्दल आम्ही आपले आभारी आहोत.

कळावे

आपला विश्वासू

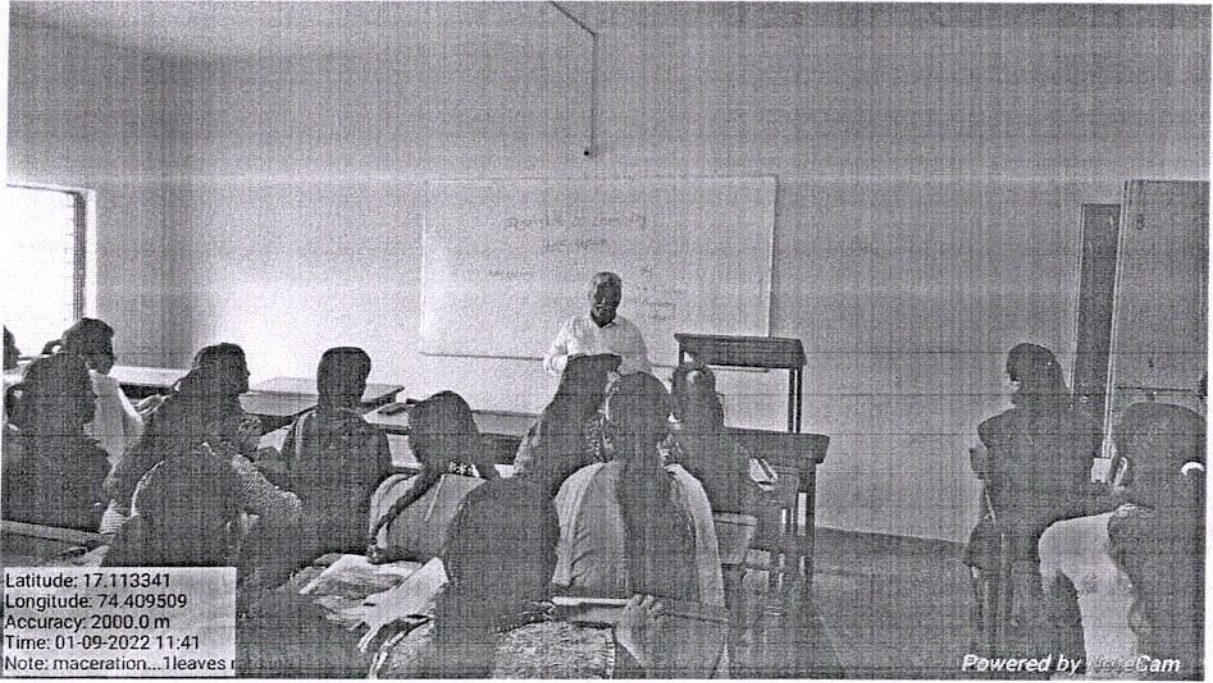
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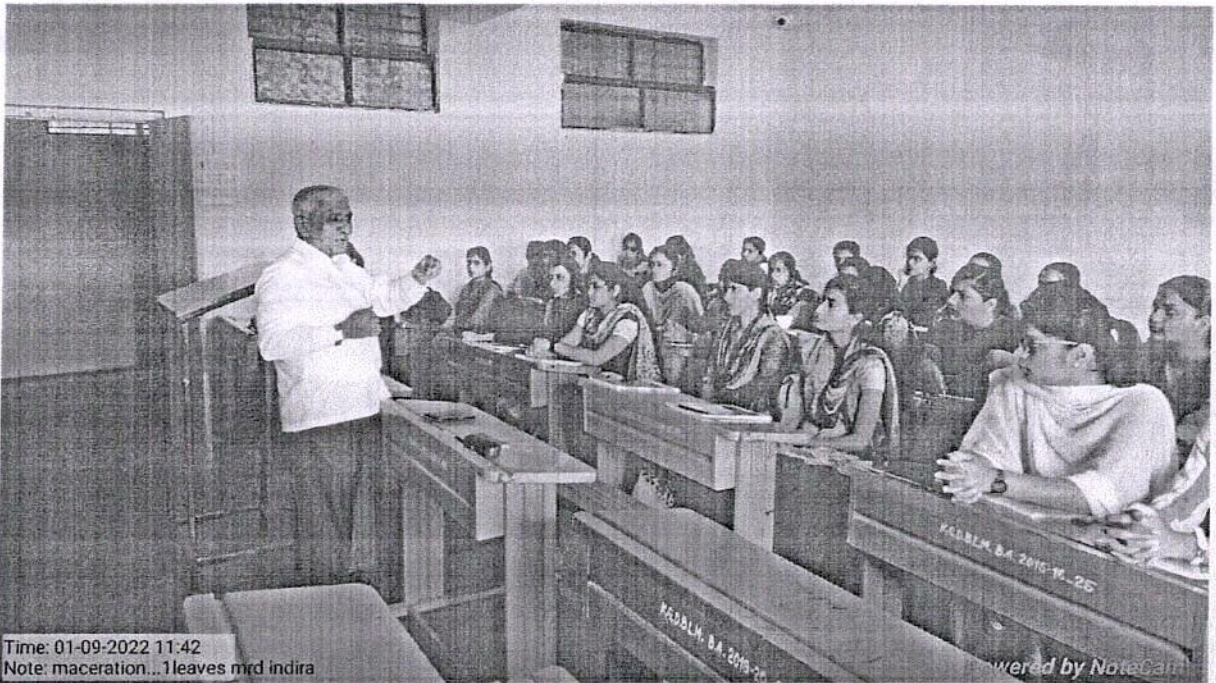
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Guest Lecture by Prof. A. N. Yadav sir



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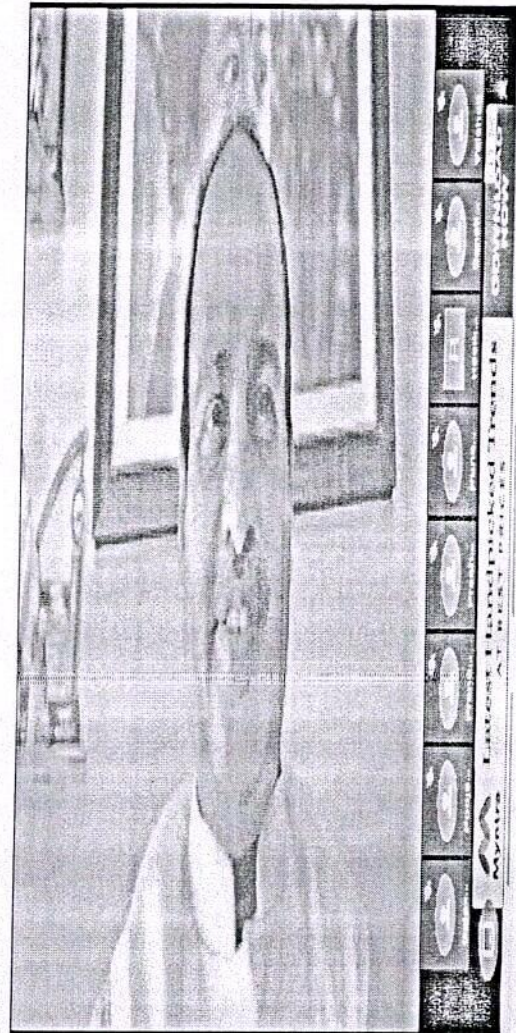
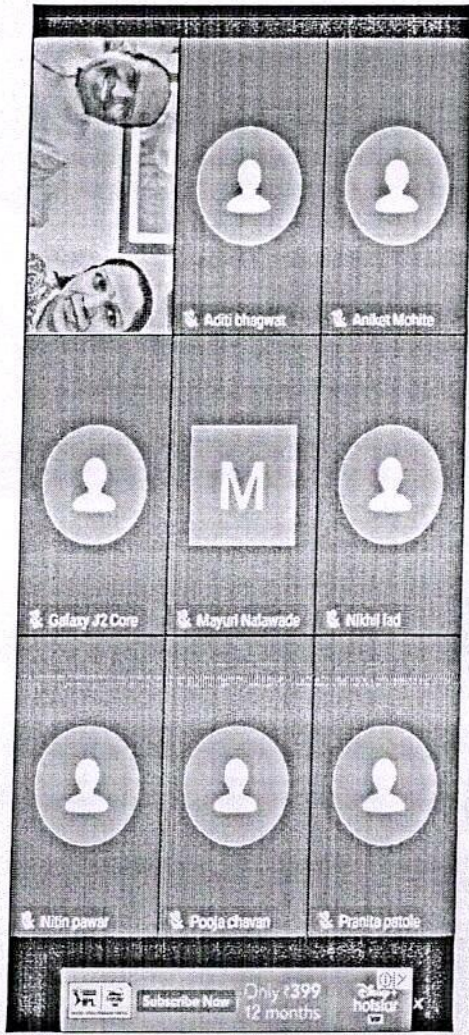
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4)	Aarti Parshuram Kavare	AK
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6)	Sneha Gayanan Malavade	Malavade
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12)	sakshi Dhanaji Thorbole.	ST
13)	Sumaiya Bashir Mubni	Smubni
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15)	Suhani sadashiv Jadhav	Suhani
16)	Adityaa Sanjay chavan	AShavan
Bsc-II 17)	Disha Kumar Solvande	Disha
18)	Shraddha Chandrakant Ghorapade	Shraddha
19)	Akshada Ashok Nalwade.	Nalwade
20)	Sanika Adhikrao Jadhav.	Sanika
21)	Mayuri Namdev Patil.	MPatil
22)	Diksha Pandurang mane.	Dmane
Bsc-III 23)	Sakshi Sandip kadam.	Sadam
24)	Shruti Mahadev Jadhav.	Shruti
25)	Aboli Dhanaji Nalage	A.D.Nalage
26)	Ankita Ashok dubel.	Adubel
27)	Madhuri sharad salunkhe.	MS

Krantiagrani G. D. Bapu Lad Mahavidyalaya, Kundal

Department Of Chemistry

Online Guest Lecture Using Team Link For B.Sc-II Students




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CHIEF EDITOR – PRAMOD PRAKASHRAO TANDALE

Analysis of Physicochemical Parameter, Heavy Metals and Micronutrients of Soil Sample of Kundal Village, Sangli District, Maharashtra

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Abstract:

Analysis of physicochemical parameters, heavy metals and micronutrients in soil samples were collected from various farm land of Kundal area, Palus taluka Dist. Sangli, Maharashtra. Top soil samples (0-10cm) were taken from various farm lands. The soil analysis was carried out on various parameters like pH, EC, nitrogen, phosphorous, potassium and heavy metals like Cu, Fe, Mn, Zn, O.C. The result shows that on an average all the soil samples collected from various farmers of Kundal area are much varied in all parameters. This scientific information will be helpful to the farmers to solve the problems related to soil nutrients and to add optimum amount of fertilizers in soil for cultivation of highly economic crops.

Key words: soil analysis, heavy metal, physicochemical parameters.

Introduction

Soil is a vital component; medium of mineral and organic nutrients for the life of plants. Soil can develop by pedogenic processes from weathered rocks, volcanic ash deposits consisting of inorganic and organic constituents (Thakre, 2012). The chemical, physical, mineralogical and biological properties of soil having variability from depth to surface of the earth, thus forming life layer of plants. Soil is a natural body consisting of layers (soil horizons) of mineral constituents, which differ in their morphological, physical, chemical and biological properties from parent materials (Manimegai and Sukanya, 2014). Soil properties that are sensitive to changes can be used as indicators to improve soil quality. The testing of physical and chemical parameters of the soil is also important for the agricultural farmers in the development of specific fertilizers of land management in crop yield (Odoemelan and Ajunwa, 2008). The yield of crop depends on fertility and presence of micro-nutrients and physico-chemical constituents in the soil. These physicochemical constituents in soil influence the growth of plants (Samuel and Werner, 1975).

The fertility of the soil depends on the concentration of N, P, K, organic and inorganic materials and conductivity. The physicochemical

properties such as moisture content, Nitrogen, phosphorus and organic matter required for the growth of plant (Kanimozhi and Panneerselvam, 2011). The physicochemical properties such as moisture content, specific gravity Nitrogen as a fertilizer required for the growth of plant. Potassium is used for flowering purpose, it is also required for building of protein, photosynthesis, fruit quality and reduction of diseases and phosphate is used for growth of roots in plants. Calcium is an essential part of plant cell wall, which provides normal transport and retention of other elements (Garba et al., 2013; Kordlaghari and Sisakht, 2013). Soil sampling is perhaps the most vital step for any soil analysis. Soil analysis is extremely important to get a truly representative of soil. Soil analysis test has emerged as a key issue to increase nutrient management in agricultural productivity and production since optimal use of nutrients, can improve crop productivity and minimize wastage of these nutrients, thus minimizing impact on optimal production (Dalwadi and Bhatt, 2008 and Borah and Bhuyan, 2009). The main aim of the present investigation is to analyze the physicochemical properties and heavy metals content of soil samples collected from the various localities of Kundal areas of Sangli district, Maharashtra.

Material And Methods:

The present study deals with the analysis of soil samples from sugarcane field which were collected

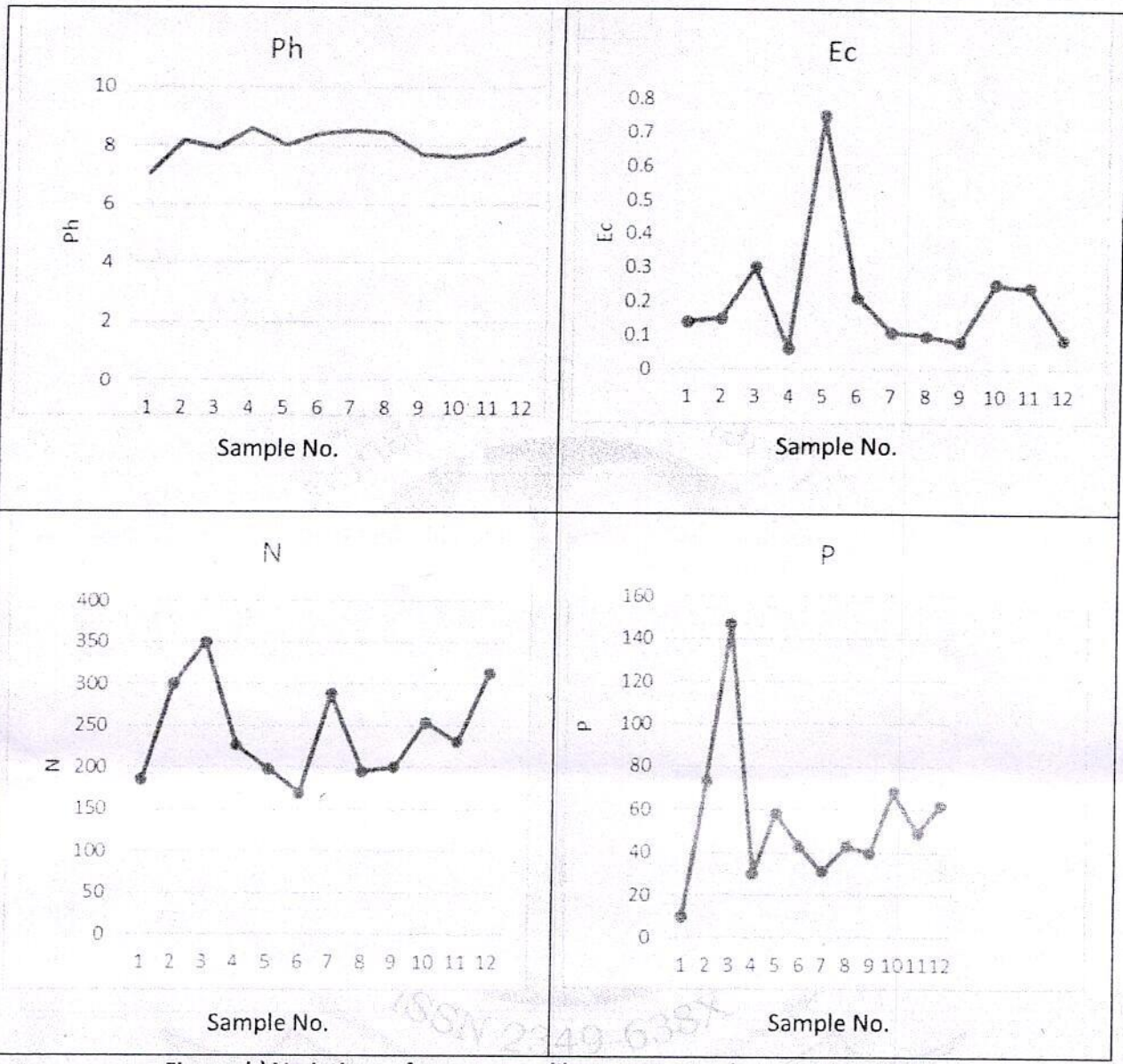
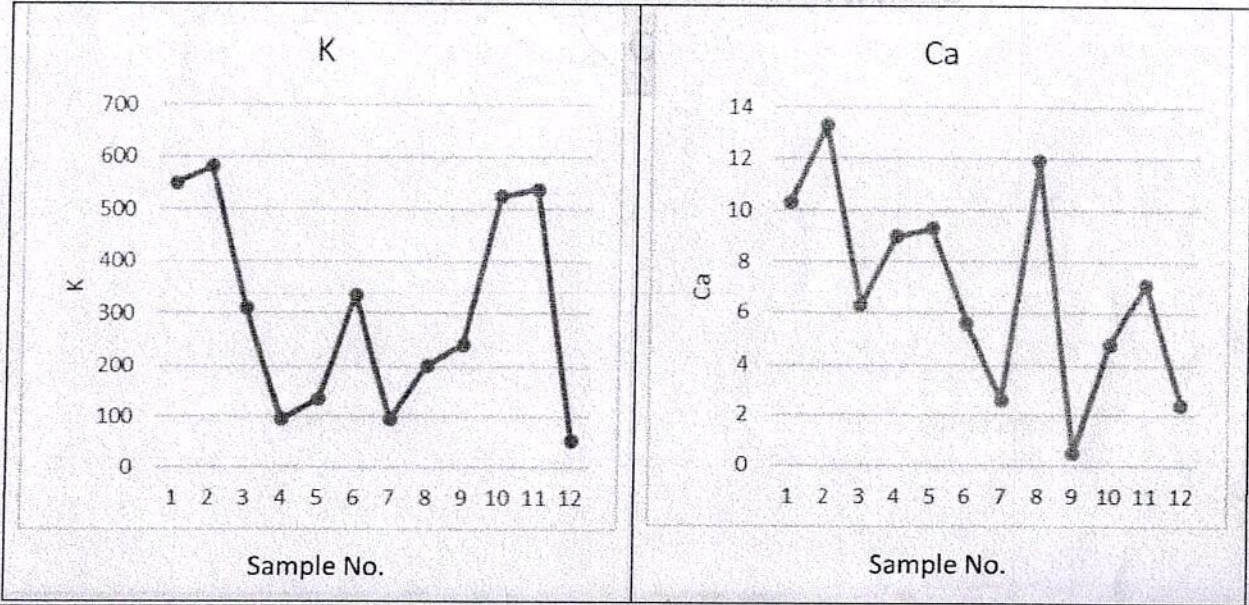


Figure: b) Variations of parameters like K, Ca, Na and Fe in soil samples



Conclusion

Kundal is one of the important villages in Palus taluka in Sangli district, Maharashtra because of highly commercial agricultural farming and situated on the bank of Krishna River. The main crops cultivated in this area are Grapes, Sugarcane, Lime, Wheat, Bajara, Guava, Onion, Ginger, Garlic etc. The soil type is a major factor in determining what types of plants will grow in area. Soil testing is the only way to determine the available nutrient and minerals constituents in soil and useful tools to develop specific fertilizer/ nutrient recommendations.

Monitoring of micronutrient parameters is necessary in the soil which provides efficient way for agricultural chemists to assess the qualitative and quantitative values. These physicochemical information about nature of soil, present nutrient in soil is provides valuable information for the farmers to arrange the amount of which fertilizers and nutrients needed to soil for increase the percentage yield of commercial crops.

Acknowledgement

Author is thankful to the management and Principal of Krantiagrani G. D. Bapu Lad College, Kundal for providing necessary facilities and useful suggestions.

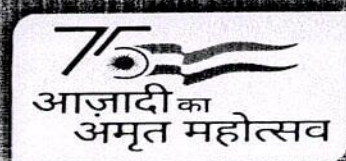
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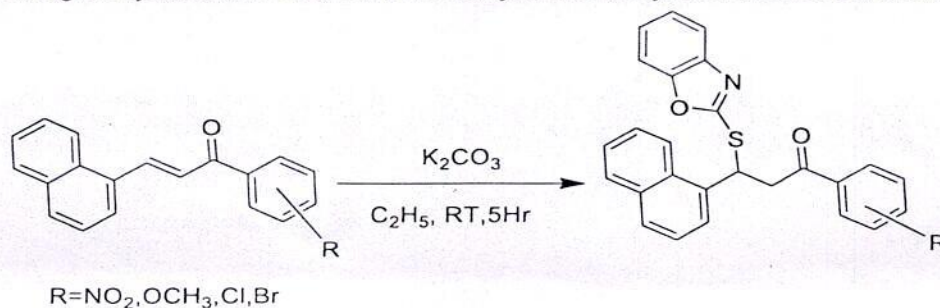
No. 07

Thia- Michael addition to conjugated double bond a versatile approach in organic synthesisRanjit A. Gayake,¹Dr. Vasant B.Jagrut², Dr. Sachin A. Khiste¹Department of chemistry, Late Nitin College, Pathri Dt. Parbhani -431506(MS) India

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Introduction:

The conjugate addition of a nucleophile or a carbanion to α, β -unsaturated carbonyl molecule is defined as the Michael reaction. It is the most practical way for forming C-C, C-N, C-O, and C-S bonds. Many asymmetric variations exist for asymmetric addition to nitro alkenes and substituted chalcones, such as 1,3-dicarbonyl compounds to provide a powerful tool in organic synthesis, as these are active and adaptable building blocks in agricultural and pharmaceutical chemicals¹. The Thia-Michael addition reaction has been thoroughly investigated and proven to be a useful tool in chemical synthesis. The reaction's potency has long been recognised in the fields of medicinal chemistry, catalysis, drug development, and material research. Numerous synthetic techniques involving thia-Michael addition with electron-deficient alkenes have opened up a plethora of possibilities for designing and synthesising a wide range of biologically relevant organo-sulphur compounds. Despite its numerous potential synthetic applications, the thia-Michael addition reaction has received no special attention. As a result, this feature article chronicles the development of the thia-Michael addition reaction in organic synthesis and classifies it into catalysed and catalyst-free thia-Michael addition processes².



No.08

Isolation and Characterization of bioactive compounds from *Momordica dioica* Roxb.

by physicochemical methods.

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Momordica dioica is a dioecious, perennial climber with a tuberous root, found to grow wild in India, commonly known as Teasle Gourd. This plant is specified with two types of varieties male and female as well as fruitless and fruited variety. The plant is used for cultivation in production of fruits, young twigs and leaves, which are used as vegetables. It is well known for medicinal values and having wide applications in treatment of various ailments. The plant contains alkaloids, glycosides, amino acids, essential vitamins like ascorbic acid, niacin, riboflavin, thiamin and carotene. *Momordica dioica* belongs to the *Cucurbitaceae* family and commonly known as spine gourd or *kartoli*. Solvent-assisted extraction is used to determine quantitatively the presence of elements. Therefore, the analysis of elements is required. The present work includes quantitative determination of various elements from *Momordica dioica* using UV, IR and HPLC etc.

Studies of Physicochemical Parameters to Asses the Water Quality of River Yerrala for Drinking Purposes in Palus and Khanapur Tehsil (Sangli Distra)

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Abstract:

A systematic study has been carried out to access the water quality of river Yerala in Sangli district. 11 water samples from three sampling stations were collected and analyzed for physicochemical parameters (pH, EC, TDS, Calcium, Magnesium, Sodium, Potassium, Carbonate, Bicarbonate, Chloride, Sulphate. Comparatively study three village interpoint distance is 5 to 8 km. Comparatively maximum value in Andhali . It was observed that the water in Balwadi and Wazar better quality than the Andhali. Suitable suggestions were made to improve the water quality of Yerala River water.

Keywords- Drinking water, Yerala River, Sangli District, physico-chemical parameter.

Introduction

water is one of the most important of all natural resources known as earth it is important to all living organisms, human, health, food, production and economic development the safety of drinking water is important. for the safety of drinking water is affected by various contaminant which included chemical and microbiological such contaminants cause serious health problems.

Due to this contaminates quality of the drinking water become poor. sometimes such poor quality water causes many diseases in the humans so that quality of the water must be tested for both the chemical as well the water must be tested for both the chemical as well as for the maximum no of physical and chemical parameter were within the desirable limit as suggested by (WHO 1971) and BIS(1991)

The objective of the present is to provide information on the physicochemical characteristics of potable water in order to discuss its suitability for human consumption. physicochemical aspects of the water have been investigated to assess the quality of water .The variations of the physicochemical properties of water samples directly influence the biotic communities and primary Productivity of the water bodies of different areas of sangli district of Maharashtra .

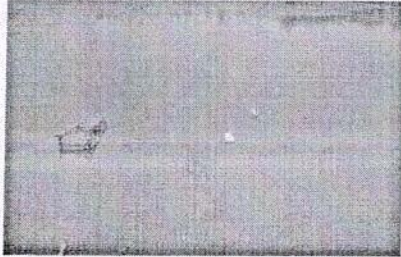
Material And Methods-

The water samples from three village Wazar, Balawadi and Andhali from Yerala river were collected in polythene bottles. The water sample were immediately brought into laboratory for the estimation of various physico-chemical parameter like Ph, EC, TDS, Calcium, Magnesium, Sodium, Potassium, Carbonate, Bicarbonate, Chloride, Sulphate. while other parameters like were estimated in the laboratory by using std methods is prescribed by (APHA 1998) & (trivenedy R.K.and Goel (1986).

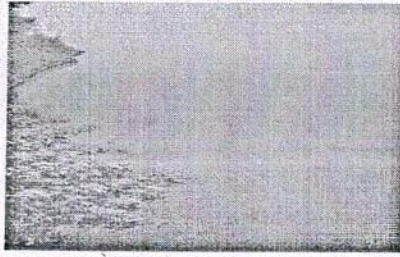
Collection Site Map



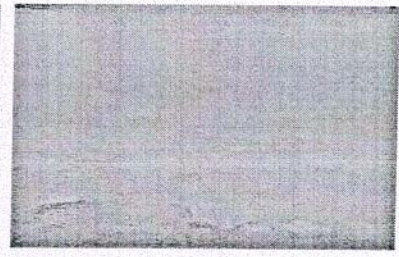
Collection Site



Wazar



Balawadi



Andhali

Results & Discussion

The results obtained from analysis of Yerala river are shown in table. The results indicate that the quality of water was differences occur location. In andhali maximum value of physicochemical parameter.

PH values of all the waters from three places are found to be near about same i.e. Average value of ph 7-8.50 is observed according to guidance maharashtra shasan. ph was alkaline in nature. Electrical conductivity values are found to be higher. The conductivity of water is affected by the suspended impurities & also depends upto the amount of ions in the water. The highest conductivity 970 of the Andhali river water is observed TDS values are found to the little higher than average value. So there values are not affected on human health. The hardness was higher in all three phase. here magneshium ions moles major contribution to the hardness of yerala river water. Na , K & carbonate ions are found to the same to not average value. Bicarbonate chloride & sulphate ions are same what larger values than average values.

Table no.1: Physicochemical analysis of water from collection sites.

Sr. no	Parameter	Balawadi	Andhali	Wazar
1.	pH	7.70	7.93	8.05
2.	EC	775	970	840
3.	TDS	384	484	417
4.	Calcium	2.0	3.4	3.0
5.	Magnesium	4.6	5.6	5.2
6.	Sodium	1.00	1.35	1.22
7.	Potassium	0.005	0.020	0.013
8.	Carbonate	0	0.4	0.4
9.	Bicarbonate	1.8	2.4	2.0
10.	Chloride	2.8	3.2	2.8
11.	Sulphate	3.01	4.37	4.24

