

Date:17 /01/2021



To,
The Principal
Karnatak Arts, Science and Commerce College, Bidar

Sub: Request to grant permission to start add-on course on (ALGAL BIODIVERSITY) for the academic year 2020-2021 Reg.

Respected Sir,

As per the guidelines issued by IQAC, we would like to start the add-on course on "Course Name" from the academic year 2020-2021 with intake of 30 students. Please permit us to start the add-on course and do the needful.

Thanking You.

Head

Department of BOTANY
Head of the Dept. of Botany
Karnatak Arts, Science & Commerce
College, B I D A R - 5 8 5 4 0 1

Vice-Principal &
IQAC. Coordinator
Karnatak Arts, Science &
Commerce College, Bidar

PRINCIPAL
Karnataka Arts Sci. & Com. College
BIDAR-585401



K.R.E Society's
Karnatak Arts ,Science and Commerce ,Bidar
Department of Botany

Course Name: ALGAL BIODIVERSITY

Duration: 30 Hrs.

Course coordinator: Sri: Dr.Pooja Suryawanshi

Assistant Course coordinator: Dr.M.S Patil

Name of the Faculty members

1.. Dr.Pooja Suryawanshi

2. Dr.M S Patil

3.. D.G.Joshi

INSTITUTIONAL BOARD OF STUDIES



Sl.no	Name	Institute	Designation
1	Dr.Pooja Suryawanshi	HOD(Botany Department Karnatak College Bidar	Asst Professor
2	Dr.M S Patil	Karnatak College Bidar	Ret. Associat. Professor
3	D.G.JOSHI	Karnatak College Bidar	Ret. Associate Professor

DISTRIBUTION OF TRAINING ON HOURLY BASIS

Sl.No	Topics to be covered	Duration hrs
1	Introduction of Algae Structure of Algae General characters' of algae	4hrs
2	Ecology and distribution Range of thallus organization in algae	4hrs
3	Classification of algae Reproduction of algae	4hrs
4	Isolation and culture of algae samples	4hrs
5	Isolation and culture of algae samples	4hrs
6	Mini Project on algae collection	10 hrs

Pooja

Head of the Dept of Botany
Karnataka College, BIDAR

[Signature]

Yogesh - Principal &
IQAC. Coordinator
Karnatak Arts, Science &
Commerce College, Bidar.

[Signature]

Principal
Karnatak Arts, Sci. & Com. College

Minutes of meeting of institutional board of studies for
certificate course on
Algal Biodiversity

Held on 17 January 2021

The institutional BOS meeting of the Department of Botany for the add on course on "ALGAL BIODIVERSITY" held on 17/01/2021 at IQAC room at 11:00am.

Institutional BOS

S.N	Name	Institute	Designation
1	Dr. Rajsameersen Modi	Assistant Professor, Govt. First Grade college Kalburgi	External Expert member
2	Sri D.G. Joshi	Head Department of Botany Karnatak Arts, Science and Commerce College Bidar.	Chairman
3	Dr. M.S. Patil	Associate Professor, Department of Botany	Member Internal Expert
4	Dr. Pooja Suryawanshi	Assistant Professor, Department of Botany	Member Internal Expert
5	Dr. Piya Roychoudhuri	Assistant Professor, Department of Botany	Member Internal Expert

In the beginning of the meeting the chairman of the Institutional BOS welcomed all the members and briefed them about the progress of the Department of Botany. the members expressed their highly appreciation and satisfaction about the courses and activities of the department.

After the institutional BOS discussed and resolved the following items

• **Item 1. Starting of the course on Algal Biodiversity.**

The BOS discussed the item and resolved to start the add on course from the month February 2021.





- **Item 2. Approval of the syllabus for certificate course**

The BOS discussed and approved the syllabus for add-on course on Algal Biodiversity

- **Item 3. Criteria for admission, regulation and policies to run the course and exam pattern.**

The BOS discussed and approved the criteria for admission and resolved that the student should have completed successfully 10+2 with science faculty, should be currently in B. Sc course with botany as a subject in Karnatak college, Bidar. In addition to this BOS also finalized the rules and regulations to smooth conduct of course and pattern.

Meeting of BOS is concluded with vote of thanks by Sri D.G. Joshi Head Department of Botany.

Members Present:

1. Dr. Rajsamarsen Modi
2. Sri D.G. Joshi
3. Dr. M.S. Patil
4. Dr. Pooja Suryawanshi
5. Dr. Piya Roychoudhri

H.O.D

Head of the Dept. of Botany
Karnatak Arts, Science & Commerce
College, B I D A R - 585 401

IQAC Coordinator

Vice-Principal &
IQAC. Coordinator
Karnatak Arts, Science &
Commerce College, Bidar

Principal

PRINCIPAL
Karnataka Arts Sci. & Com. College
BIDAR-585401

WORK DONE



NAME OF THE LECTURER	TOPICS COVERED AND METHOD USED	DATE
Sri D.G. Joshi	Introduction of Algae, Classification, Structure of Algae	17/2/2021 24/2/2021
Dr. M.S Patil	Reproduction and Life cycle of some types of algae, Growth and structure of algae	3/8/2021 10/8/2021
Dr. Pooja Suryawanshi	Patterns and Classes of algae. Economic Importance of algae General characters of algae	17/3/2021 24/3/2021

H.O.D

Head of the Dept. of Botany
Karnataka College, BIDAR

PRINCIPAL

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BIDAR-585401



K.R.E Society's
Karnatak Arts, Science and Commerce, College Bidar

Department of Botany

Certificate Course in

"Algal Biodiversity"

COURSE OUTCOMES:

The following are minimum learning outcomes after completion of **"Algal Biodiversity"** course

1. Students can expose to the field of algal biodiversity
2. Understand the principles and diversity of algae
3. Become familiar with making slides and visualization of slides under microscope.
4. Learn the different types of media, culturing methods and preservation methods of algae.

Course description:

Algae are one of the most diverse groups of living organisms that are distributed in all across the oceans, rivers, ponds and lakes. Algae play an important role in maintaining aquatic ecosystem and form the base of food chain and food web. Algae are generally classified as rhodophyta (red algae), pheophyta (brown algae) or chlorophyta (green algae) depending on their nutrient, pigments and chemical composition. They are considered as a source of bioactive compounds as they are able to produce a great variety of secondary metabolites with some also a valuable food resource too. Some of the algae are also been known to be pollution indicator and helps in reduction of industrial pollutants in rivers and other water sources.

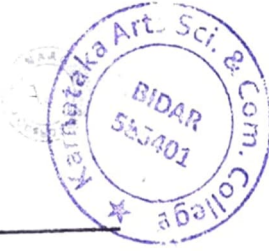
The course aims to train B.Sc final year (Botany) students, in theoretical knowledge and practical skills for the establishment, characterization and maintenance of algal cultures in order to gain an advanced understanding of algal diversity, lifecycle and physiology. The main focus of the course will be on fresh water algae but several other groups will be covered as well.

ESTD. 1942

Karnatak Arts, Science & Commerce College, Bidar

ESTD. 1970
(Affiliated to Gulbarga University)
College With Potential for Excellence

Department of BOTANY



Date:18/01/2021

NOTICE

All the students are hereby informed that, the Department of **BOTANY** is starting the add-on course on **(ALGAL BIODIVERSITY)** from the **(18/01/2021)**, interested students can enroll their names on or before **(25/01/2021)** in the Department of **BOTANY**.

Rajg
HOD
Head of the Dept. of Botany
Karnatak Arts, Science & Commerce
College, B I D A R - 585 401

[Signature]
Principal
PRINCIPAL
Karnatak Arts Sci. & Com. Coll.
BIDAR-585401

K.R.E. SOCIETY'S

KARNATAK ARTS SCIENCE AND COMMERCE COLLEGE BIDAR

(Affiliated to Gulbarga University Kalburgi)

College with Potential for Excellence

ADMISSION FORM

Certificate/Value added/Skill Development/Diploma/Advance Diploma Courses

&

IAS/IPS/NET/SET Coaching Classes

Name of the Department Botany Year 2020-21
Name of the Student Ankita D/o
Father name Rajkumar
Date of Birth 10/2/2001
Address for Correspondence Hyderabad road
ladgani colony Bidar.



Semester/class : Bsc Vth semester
Register No. : 1947140
Percentage of previous semester: _____
Contact No. : 9632859118
E-Mail ID : ankitarajkumar@gmail.com
Course to be Joined: Algal Biodiversity

Ankita
Signature of the Student

Pooja
HOD/Coordinator
Head of the Dept. of Botany
Karnataka College, BIDAR

STUDENTS ENROLLMENT FOR CERTIFICATE COURSE(ALGAL BIODIVERSITY) 2019-20



S.N	NAME OF THE STUDENT	SIGNATURE
1	POOJA R CHAVAN	
2	SYEDA AZMAT	
3	KARISHMA DEEP	
4	BHAGYASHREE	
5	ANITA	
6	KAVERI	
7	GOUTAMI	
8	BHAVYA	
9	SANA TABASSUM	
10	NAGVENI PATIL	
11	ROHINI KULKARNI	
12	VACHANASHREE KHANDRE	
13	PRIYANAKA MALGEE	
14	SACHIDNAND BIRADAR	
15	PRIYA SWAMY	
16	GOURI PRIYA	
17	DURGA THAKUR	
18	SANDEEP	
19	VAISHNAVI	
20	SAMSKRUTI	
21	RAHUL	
22	KANKESHWAR	
23	RUTYKA	
24	SANJANA	
25	MADHU	
26	SHIVMANGALA	
27	SANGEETA	
28	SNEHA	
29	ANKITA	
30	SHIVANI A	

STAFF INCHARGE

H.O.D
Head of the Dept of Botany
Karnataka College, BIDAR

COURSE TIME TABLE

DATE/TIME	8 to 9	9 to 10	10 to 11	11 to 12	3 to 5
17/2/21	Theory	Theory	Practical	Practical	Mini Project
24/2/21	Theory	Theory	Practical	Practical	Mini Project
3/3/21	Theory	Theory	Practical	Practical	Mini Project
10/3/21	Theory	Theory	Practical	Practical	Mini Project
17/3/21	Theory	Theory	Practical	Practical	Mini Project
27/3/21	Exam	Exam	Exam	Exam	



Head of the Dept. of Botany
Karnataka College, BIDAR

B.Sc Students List and Attendance

S.N	NAME OF THE STUDENT	24/2/21	3/3/21	10/3/21	17/3/21	21/3/21	24/3/18
1	Pooja R Chavan	P	P	P	P	P	P
2	Syeda azmath	P	P	P	A	P	P
3	Karishma Deep	P	P	A	P	P	P
4	Bhagyashree	P	A	A	P	P	P
5	Anita	A	P	P	P	A	P
6	Kaveri	P	P	P	A	P	A
7	Gautami	A	P	P	P	P	P
8	Bhavya	P	P	A	P	P	P
9	Sana Tabassum	A	P	P	P	P	P
10	Nagveni Patil	P	A	P	A	P	A
11	Rohini Kulkarni	P	A	P	P	P	P
12	Vachanashree Khandre	P	A	P	P	P	P
13	Priyanka Malge	A	P	P	A	P	A
14	Sachidnand Biradar	P	A	P	P	P	A
15	Priya Swamy	P	P	P	P	A	P
16	Gouri Priya	P	P	P	P	P	P
17	Durga Thakur	P	P	P	P	P	P
18	Sandeep	P	P	P	P	A	P
19	Vaishnavi	P	P	P	P	P	P
20	Sanskruiti	A	P	A	A	P	P
21	Rahul	A	P	P	A	A	P
22	Kankeshwar	P	P	P	A	P	P
23	Rutika	A	P	P	P	P	P
24	Sanjana	P	P	P	A	P	A
25	Madhu	P	P	P	A	A	P

Pooja

**Head of the Dept of Botany
Karnataka College, BIDAR**

K.R.E Society's

KARNATAK ARTS, SCIENCE AND COMMERCE COLLEGE BIDAR

DEPARTMENT OF BOTANY

DATE: 25/3/2021

NOTICE:

All the students who have enrolled their name for certificate course in algal biodiversity for the year 2020-21 are here by informed to attend theory exam on 27/3/21 at 11am without fail.



H.O.D

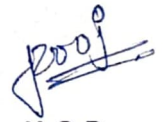
**Head of the Dept. of Botany
Karnataka College, BIDAR**

K.R.E Society's
KARNATAK ARTS, SCIENCE AND COMMERCE COLLEGE BIDAR
DEPARTMENT OF BOTANY

DATE:25/3/2021

NOTICE:

All the students who have enrolled their name for certificate course in Algal Biodiversity for the year 2020-21 are here by informed to attend practical exam on 27/3/21 at 2-3pm without fail.



H.O.D

Head of the Dept of Botany
Karnataka College, BIDAR

Sl.No	Name of the student	Theory	Practical
1	Pooja R.Chavan	Pooja	Pooja
2	Syeda azmath	Syeda	Syeda
3	Karishma deep	Karishma	Karishma
4	Bhygyshree	Bhygyshree	Bhygyshree
5	Anita	Anita	Anita
6	Kaveri	Kaveri	Kaveri
7	Goutami	Goutami	Goutami
8	Bhavya	Bhavya	Bhavya
9	Sana tabbasum	Sana	Sana
10	Nagveni patil	Nagveni	Nagveni
11	Rohini kulkarni	Rohini	Rohini
12	Vachanshree khandree	Vachanshree	Vachanshree
	Priyanka malgee	Priyanka	Priyanka
14	Sachidanada Biradar	Sachidanada	Sachidanada
15	Priya swamy	Priya	Priya
16	Gouripriya	Gouripriya	Gouripriya
17	Durga thakur	Durga	Durga
18	Sandeep	Sandeep	Sandeep
19	Vaishnavi	Vaishnavi	Vaishnavi
20	Samskruti gumme	Samskruti	Samskruti
21	Rahul	Rahul	Rahul
22	kanakeshwar	Kanakeshwar	Kanakeshwar
23	Rutika	Rutika	Rutika
24	Sanjana	Sanjana	Sanjana
25	Madhu	Madhu	Madhu
26	Shivmangala	Shivmangala	Shivmangala
27	Sangeeta	Sangeeta	Sangeeta
28	Sneha	Sneha	Sneha
29	Ankita	Ankita	Ankita
30	Shivani A	Shivani	Shivani



Head of the Dept of Botany
Karnataka College, BIDAR



KRE SOCIETY

KARNATAK ARTS, SCIENCE AND COMMERCE COLLEGE, BIDAR

DEPARTMENT OF BOTANY

ADD ON COURSE

SUB: ALGAL BIODIVERSITY

MAX. MARKS: 20

I. Answer the following questions.

4x5=20

1. Explain the structure of algae.
2. Explain classification of algae
3. Write down the reproduction methods in algae.
4. Explain general characters of algae.

Course Test

4. The general characteristics of algae are as follows:

- * Algae are either unicellular or multicellular in nature.
- * Found in moist places.
- * The mode of reproduction can be sexual as well as asexual.
- * Asexual reproduction occurs by spore formation.
- * Sexual reproduction occurs by the physical contact of haploid gametes.
- * Some algae grow in association with fungi (lichen).
- * The algal plant body does not differentiate into root, stem & leaves that is why the algal plant body is a thallus.
- * A thick, gluey substance is covering the whole algal body is known as mucilage.
- * Algae don't have any mechanical tissue as buoyancy holds them erect & their flexibility resist the tides without being torn.
- * They don't require any vascular tissues for water conduction.

3. Algae can be reproduced by 3 common methods

(i) Vegetative reproduction

(ii) Asexual reproduction

(iii) Sexual reproduction

In vegetative reproduction there are several types:

SL.No	Name of the student	Theory (20)	Practical(20)	Mini project (10)	Total marks (40)
1	Pooja R.Chavan	19	19	10	48
2	Syeda azmath	20	20	10	50
3	Karishma deep	19	19	10	48
4	Bhygyshree	18	19	09	47
5	Anita	19	19	10	48
6	Kaveri	18	19	09	47
7	Goutami	18	19	09	47
8	Bhavya	19	19	10	48
9	Sana tabbasum	19	19	10	48
10	Nagveni patil	19	19	10	48
11	Rohini kulkarni	18	19	09	47
12	Vachanshree khandree	20	19	10	49
13	Priyanka malgee	20	19	10	49
14	Sachidanada Biradar	18	19	09	47
15	Priya swamy	20	19	10	49
16	Gouripriya	20	19	10	49
17	Durga thakur	20	19	10	49
18	Sandeep	18	19	09	47
19	Vaishnavi	20	19	10	49
20	Samskruti gumme	18	19	09	47
21	Rahul	18	19	09	47
22	kanakeshwar	18	19	09	47
23	Rutika	18	19	09	47
24	Sanjana	18	19	09	47
	Madhu	18	19	09	47
26	Shivmangala	20	19	10	49
27	Sangeeta	19	19	10	48
28	Sneha	18	19	09	47
29	Ankita	19	19	10	48
30	Shivani A	19	19	10	48




 Head of the Dept of Botany
 Karnataka College, BIDAR



KRE Society's
Karnatak Arts, Science and Commerce College, Bidar (KS)
Department of Botany



This is to certify that **ANKITA B.Sc VI semester** has successfully completed certificate course on "Algal Biodiversity" during the year 2020 - 2021 offered by Department of Botany.

Head Dept. of Botany
Head of the Dept. of Botany
Karnatak Arts, Science & Commerce
College, Bidar

Principal
Karnatak Arts Science &
Commerce College, Bidar

K.R.E. SOCIETY'S

KARNATAK, ARTS, SCIENCE AND COMMERCE COLLEGE, BIDAR

DEPARTMENT OF BOTANY

ADD-ON COURSE ON ALGAL BIODIVERSITY

Report

Name of the course: Algal Biodiversity

Name of the Department: Botany

Name of the B.O.S: Dr. Rajsamarsen Modi

Number of students: 30

BOS meeting date: 17/1/2021

Start date of course: 17/2/2021


End date of course: 27/3/2021

Department of Botany conducted add-on course on Algal Biodiversity. Algal Biodiversity helps students to understand the characters,, structure of different types of algae, ecological distribution of algae as well as the reproduction in algae it help the students to do research on algae. At the end we are conducted examination on algal biodiversity and declared the result.


HOD

Head of the Dept. of Botany
Karnataka College, BIDAR


Principal


ಕರ್ನಾಟಕ ಕಲಾ, ವಿಜ್ಞಾನ ಮತ್ತು
ಪಾಲಿಟೆಕ್ನಿಕ್ ಮಹಾವಿದ್ಯಾಲಯ, ಬಿದರ

