



Date: 20/7/2019


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 2018-19 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 2018-19 with intake of 15 students. Please permit us to start the add-on course and do the needful.

Thanking You.


Head of the Dept. of Botany
Karnatak Arts, Science & Commerce
College, Bidar - 585 401
Department of Botany


PRINCIPAL
Karnatak 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: Dr.Piya roy choudhury

Assistant Course coordinator: Dr.Pooja Suryawanshi

Name of the Faculty members

1. Dr.M S Patil

2. Sri D.G.Joshi

3. Dr.Piya roy choudhury

4. Dr.Pooja Suryawanshi

5. Miss Rosemary



Minutes of Meeting of Institutional Board of Studies for

Certificate Course on

Algal Biodiversity

Held on 19 September 2018

The institutional BOS meeting of the Department of Botany for the add-on course on "ALGAL BIODIVERSITY" held on 19/09/2018 at IQAC Room at 11:00 am.

Institutional BOS

Sl.No	Name	Institute	Designation
1	Dr .Rajsameersen Modi	Assistant professor Govt. first grade college Kalaburagi	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.PiyaRoychoudhuri	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 August,2018.



• **Item 2. Approval of the Syllabus for certificate course.**





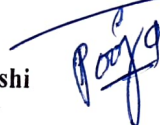
The BOS discussed and approved the syllabus for the add-on course on Algal Biodiversity


• **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. D. Rajsamarsen Modi 
2. Sri. D.G.Joshi 
3. Dr.M.S.Patil 
4. Dr. Piya Roychoudhuri 
5. Dr.Pooja suryawanshi 


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


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


Principal
PRINCIPAL
Karnatak Arts Sci. & Com. Co
BIDAR-585401

WORK-DONE



NAME OF THE LECTURER	TOPICS COVERED AND METHOD USED	DATE
Dr.M S Patil	Introd ⁿ of Algae classification Str of Algae	
Sri D.G.Joshi	Reproduction & Life cycle of some types of Algae	 Head of the Dept. of Botany Karnatak Arts, Science & Commerce College, B I D A R - 585 401
Dr.Piya roychoudhury	Growth & structure & pattern & classy of Algae.	
Dr.Pooja Suryawanshi	Economic imp of Algae, General characteristic of Algae	

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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.



Karnatak Arts, Science & Commerce College, Bidar

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

Department of BOTANY




Date:20/9/2018

NOTICE

All the students are hereby informed that, the Department of **BOTANY** is starting the add-on course on **(ALGAL BIODIVERSITY)** from the **(20/9/2018)**, interested students can enrol their names on or before **(27/09/2018)** in the Department of **BOTANY**.


HOD
Head of the Dept. of Botany
Karnatak Arts, Science & Commerce
College. BIDAR-585 401


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KARNATAK ARTS SCIENCE AND COMMERCE COLLEGE BIDAR

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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 2018-19

Name of the Student Vaishali

Father name Ashok

Date of Birth 05/02/1998

Address for Correspondence Teachers colony

Aurad Tal Aurad Dist Bidar



Semester/class : VI Sem

Register No. : 1746707

Percentage of previous semester: 87%

Contact No. : 8123981216

E-Mail ID : Vaishaliuppi@gmail.com

Course to be Joined: Algal Biodiversity

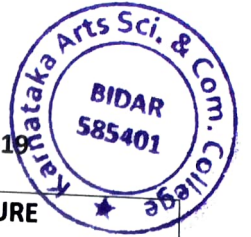
Vaishali

Signature of the Student

[Signature]


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

STUDENTS ENROLLMENT FOR CERTIFICATE COURSE(ALGAL BIODIVERSITY) 2018-19

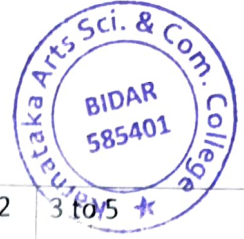


S.N	NAME OF THE STUDENT	SIGNATURE
1	ANJALI ANIL	Anjali.k.
2	BASAVA CHETAN SHEELVANT	Basavant
3	VAISHALI ASHOK	Vaishali
4	NANDINI	Nandini
5	SHIVNANDA MALSHETTY	Shivnanda
6	BASAVA JYOTI BHAKTRAJ	Basavajyoti
7	HAFSA FATIMA	Hafsa
8	PALLAVI SOMSHEKAR	Pallavi
9	BURANDE AMRUTA	Amruta
10	ASHWINI SANJUVREDDY	Ashwini
11	GANGOTRI SALGAR	Gangotri
12	D KRISHNAVENI	D.Krishnaveni
13	CHETANYA	Chetanya
14	VEERESH CHANDRASHEKAR	Veeresh
15	LAVANYA	Lavanya


STAFF INCHARGE

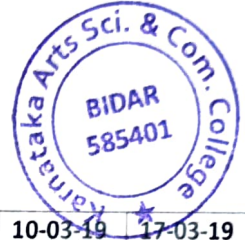

H.O.D
Head of the Dept of Botany
Karnataka College, BIDAR

COURSE TIME TABLE



DATE/TIME	8 TO 9	9 TO 10	10 TO 11	11 TO 12	3 to 5 *
17-02-19	Theory	Theory	Practical	Practical	Mini Project
24-02-19	Theory	Theory	Practical	Practical	Mini Project
03-03-19	Theory	Theory	Practical	Practical	Mini Project
10-03-19	Theory	Theory	Practical	Practical	Mini Project
17-03-19	Theory	Theory	Practical	Practical	Mini Project
24-03-19	Exam for both Theory and Lab				

B.Sc Students List and Attendance



SL.No	NAME OF THE STUDENT	17-02-19	24-02-19	03-03-19	10-03-19	17-03-19	24-03-19
1	Anjali anil	P	P	AB	P	P	P
2	Basavachetan sheelvanth	P	AB	P	P	P	P
3	Vashali ashok	P	P	AB	P	P	P
4	Nandini	P	P	P	P	P	P
5	Shivnanda malshetty	AB	P	P	P	AB	P
6	Basava jyothi Bhaktraj	P	P	P	P	P	P
7	Hafsa fatima	P	P	P	AB	P	P
8	Pallavi somshekar	P	P	AB	P	P	P
9	Burande Amrutha	AB	P	P	P	P	P
10	Ashwini sanju Reddy	P	P	P	P	AB	P
11	Gangotri salgar	AB	P	AB	P	P	P
12	D Krishnaveni	P	AB	P	P	P	P
13	Chaitanya	P	P	P	P	P	P
14	Veeresh chandrashekar	AB	P	P	P	AB	P
15	Lavanya	P	P	AB	P	P	P

(Signature)

Karnatak Arts, Science & Commerce College
BIDAR-585401

(Signature)
Head of the Dept. of Botany
Karnatak Arts, Science & Commerce
College, BIDAR-585401


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

DATE:25/03/2019

NOTICE :

All the students who have enrolled their name for certificate course in Algal biodiversity for the year 2018-2019 are here by informed to attend theory exam on 31/03/2019 at 11 am without fail.




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KARNATAK ARTS SCIENCE AND COMMERCE COLLEGE BIDAR
DEPARTMENT OF BOTANY

DATE:25/03/2019

NOTICE :
















All the students who have enrolled their name for certificate course in Algal biodiversity for the year 2018-2019 are here by informed to attend Practical exam on 31/03/2019 at 2-3 pm without fail.

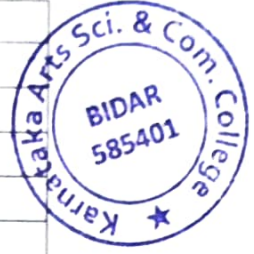


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Head of the Dept: of Botany
H.O.D
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BIDAR-585401


STUDENT ATTENDENCE SIGNATURE FOR CERTIFICATE COURSE THEORY EXAM 2018-2019

SL.No	NAME OF THE STUDENT	SIGNATURE
1	Anjali anil	
2	Basavachetan sheelvanth	
3	Vashali ashok	
4	Nandini	
5	Shivnanda malshetty	
6	Basava jyothi Bhaktraj	
7	Hafsa fatima	
8	Pallavi somshekar	
9	Burande Amrutha	
10	Ashwini sanju Reddy	
11	Gangotri salgar	
12	D Krishnaveni	
13	Chaitanya	
14	Veeresh chandrashekar	
15	Lavanya	





STAFF INCHARGE


 Head of the Dept. of Botany
 Karnataka Arts, Science & Commerce
 DEPARTMENT OF BOTANY
 College, BIDAR-585 401



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 Karnataka Arts Sci. & Com. College
 BIDAR-585401

STUDENT ATTENDANCE SIGNATURE FOR CERTIFICATE COURSE PRACTICAL EXAM - 2018-2019



SL.No	NAME OF THE STUDENT	SIGNATURE
1	Anjali anil	<i>Anjali Anil</i>
2	Basavachetan sheelvanth	<i>Basavachetan Sheelvanth</i>
3	Vashali ashok	<i>Vashali Ashok</i>
4	Nandini	<i>Nandini</i>
5	Shivnanda malshetty	<i>Shivnanda Malshetty</i>
6	Basava jyothi Bhaktraj	<i>Basava Jyothi Bhaktraj</i>
7	Hafsa fatima	<i>Hafsa Fatima</i>
8	Pallavi somshekar	<i>Pallavi Somshekar</i>
9	Burande Amrutha	<i>Burande Amrutha</i>
10	Ashwini sanju Reddy	<i>Ashwini Sanju Reddy</i>
11	Gangotri salgar	<i>Gangotri Salgar</i>
12	D Krishnaveni	<i>D. Krishnaveni</i>
13	Chaitanya	<i>Chaitanya</i>
14	Veeresh chandrashekar	<i>Veeresh Chandrashekar</i>
15	Lavanya	<i>Lavanya</i>

[Signature]
STAFF IN CHARGE

[Signature]
Head of the Dept. of Botany
Karnatak Arts, Science & Commerce
DEPARTMENT OF BOTANY
585 401

[Signature]
PRINCIPAL
Karnataka Arts Sci. & Com. College
BIDAR-585401



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.

1) Explain the structure of algae.

- Algae are eukaryotic cells, i.e. cells that contain a nucleus, which makes them slightly more complex than bacteria.
- They also contain chloroplasts, which are structures that generate energy for the cell through photosynthesis.
- Some algae have silica endoskeletons, flagella for movement or these structures.
- Most of the algae inhabit the aquatic environment. Either freshwater or marine habitats.
- They can also occupy on rocks, soils, vegetation or moist terrestrial habitats.
- The vegetative structures (thallus) of algae vary from species to species.
- They may be simple unicellular to complex multi-cellular.
- Their size ranges from small as less than 1m to large as 30-60m long.
- Some flagellated algae are lacking a cell wall.
- Chemically, the cell wall is composed of cellulose, pectin, mucilage like a carbohydrate.
- It also contains other substance like alginic acid, calcium carbonate, fucidan, fucin, silica etc.
- plasma membrane is present below the cell wall.
- The eukaryotic algae, protoplasm consist of one or more nucleus & cytoplasm.
- The number of nucleoli/endosomes vary in different algal cells with varying numbers of chromosomes.
- Algae have the membrane bound cell organelles like chloroplasts, mitochondria, endoplasmic reticulum, Golgi bodies etc.
- The algal cell wall is made up of cellulose.
- Algae reproduce by vegetative, sexual and asexual methods.



STUDENT ATTENDENCE SIGNATURE FOR CERTIFICATE COURSE PRACTICAL EXAM 2018-2019

SL.No	NAME OF THE STUDENT	Theory (20)	Practical (20)	Project (10)	Total (50)
1	Anjali anil	19	19	10	48
2	Basavachetan sheelvanth	18	18	10	46
3	Vashali ashok	16	15	09	40
4	Nandini	18	18	10	46
5	Shivnanda malshetty	19	18	10	49
6	Basava jyothi Bhaktraj	19	19	10	48
7	Hafsa fatima	19	18	09	45
8	Pallavi somshekar	20	19	09	48
9	Burande Amrutha	20	19	10	49
10	Ashwini sanju Reddy	19	18	09	46
11	Gangotri salgar	16	18	08	46
12	D Krishnaveni	17	18	09	44
13	Chaitanya	15	18	09	42
14	Veeresh chandrashekar	19	20	10	49
15	Lavanya	20	20	10	50


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H.O.D

Head of the Dept. of Botany
DEPARTMENT OF BOTANY
Karnatak Arts, Science & Commerce
College, BIDAR-585401


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Karnataka Arts Sci. & Com. College
BIDAR-585401




KRE Society's

Karnatak Arts, Science and Commerce College, Bidar (KS)
Department of Botany



This is to certify that **VAISHALI ASHOK** of B.Sc VI semester has successfully completed certificate course on "Algal Biodiversity" during the year 2018 - 2019 offered by Department of Botany.


Head of the Dept. of Botany
Head Dept. of Botany
College, Bidar, Karnataka 585 101


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: 15

BOS meeting date: 19/9/2018

Start date of course:17/2/2019

End date of course: 31/3/2019

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

ಪ್ರಾಚಾರ್ಯರು
ಕರ್ನಾಟಕ ಕಲಾ, ವಿಜ್ಞಾನ ಮತ್ತು
ವಾಣಿಜ್ಯ ಮಹಾವಿದ್ಯಾಲಯ, ಬಿದರ

