

Best Practice - 2

Title of Practice: Publication of Biodiversity Calendar

Goals: To know value of biodiversity and inculcate environmental consciousness among students and society.

The Context:

The subject Life science is a walk for the students through the amazing diversity of living organism from simple to complex. The course makes a detail comparison of the systematic study of different taxa i.e. flora and fauna. Hence, to know more about biodiversity, designing and publication of Biodiversity Calendar is an innovative attempt made by B. Sc. II (Biology) students under supervision of Dr. Archana S. Sawarkar (Dept. of Zoology) and Dr. Anjali A. Sangole (Dept. of Botany).

The Practice:

1. Idea about participatory learning project of preparation of Biodiversity Calendar was given to students
2. The students began to carefully observe the surrounding flora and fauna.
3. They prepared check lists of locally available plants and animals.
4. Along with flora and fauna, academic holidays as well as special days concerning environmental issues and importance of biodiversity are mentioned in the calendar.
5. Some Environmental awareness programmes were organized by Shri R.L.T. College in collaboration with other schools and colleges, in which Students and teachers of our college worked as resource persons.
6. Biodiversity Calendars were gifted in schools, colleges and society.

Evidences of Success:

1. This project helped to increase the observation power of the students.
2. Our parents and teachers gave economic contribution and motivated students to work as Nature messengers for our society

Resources required: Supervisors to guide and motivate students.

Problems Encountered: No

Publication of Biodiversity Calendar

SHRI R.L.T. COLLEGE OF SCIENCE, AKOLA

BIODIVERSITY CALENDER-2017

Cyclosa **Argiope**
Rhene **Gnaphosa** **Hippasa**

JANUARY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

FEBRUARY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

Contributors: B.Sc. II (Biology) Students
Supervisors: Dr. Archana S. Sawarkar; Dr. Anjali A. Sangole

SHRI R.L.T. COLLEGE OF SCIENCE, AKOLA

BIODIVERSITY CALENDER-2018

PHYLUM - PHEOPHYTA (BROWN ALGAE)

Phaeophyta or brown algae rare group of autotrophic, multicellular organism. They contain the xanthophyll pigment-fucoxanthin, in addition to chlorophyll a and c. They are composed of eukaryotic or prokaryotic cell. They are mainly marine. Only four and five species are fresh water living. They are multicellular filamentous and complex in nature.

They are brown in colour because brown pigment are more in the cells than other pigments. Polysaccharides and alcohol are stored as reserve food. Alteration of generation is found in most of the species. Their gametes or zoospore have flagella of different sizes.

Dictyota **Sargassum** **Fucus** **Marcrotyosis**

JULY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

AUGUST

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

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SHRI R.L.T. COLLEGE OF SCIENCE, AKOLA

BIODIVERSITY CALENDER-2019

branchiobdellida **Hirudinaria**
Aphrodite **Chaetopterus**

Phylum – Annelida

Metamerically segmented and coelomate animals. They exhibit organ-system level of body organisation and bilateral symmetry.

MAY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

JUNE

S	M	T	W	T	F	S
30	5 - World's Environment Day	1				
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

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SHRI R.L.T. COLLEGE OF SCIENCE, AKOLA

BIODIVERSITY CALENDAR-2020

Polia **Sphagnum**
Leptomecia **POrella**

The sporophytes (the diploid form of the plant) of bryophytes are unbranched, producing a single spore-producing capsule (sporangium).

NOVEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

DECEMBER

S	M	T	W	T	F	S	
			1	2	3	4	5
6	7	8	9	10	11	12	
13	14	15	16	17	18	19	
20	21	22	23	24	25	26	
27	28	29	30	31			

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SHRI R.L.T. COLLEGE OF SCIENCE, AKOLA



BIODIVERSITY CALENDAR-2021



JANUARY							FEBRUARY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
31					1	2	1	2	3	4	5	6	
3	4	5	6	7	8	9	7	8	9	10	11	12	13
10	11	12	13	14	15	16	14	15	16	17	18	19	20
17	18	19	20	21	22	23	21	22	23	24	25	26	27
24	25	26	27	28	29	30	28	2- World Wetlands Day					

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Publication of Biodiversity Calendar



Biodiversity Calendars were gifted in schools, colleges and society



Biodiversity awareness programmes were conducted in some schools and colleges

Archana S. Sawarkar

**Coordinator of Activity
 (Dr. Archana S. Sawarkar)**



V.D. Nanoty

**Principal
 (Dr. V.D. Nanoty)**