

**SOPHIA GIRLS' COLLEGE**  
**(AUTONOMOUS), AJMER**



**DEPARTMENT OF ZOOLOGY**

**2018-19**

## 1. Guest Lecture on Climate Change

# **DEPARTMENT OF ZOOLOGY SOPHIA GIRLS' COLLEGE (AUTONOMOUS), AJMER**



**Guest lecture on Climate Change  
&  
Hands on training on DNA extraction  
by**

**Dr. Ordetta Mendoza**

**(HOD Department of Bioinformatics, Stella Maris College, Chennai)**



**Guest Lecture on Climate Change**

**Date: 20-July-2018**

**Venue: College Auditorium**

**Time: 10 am**

**Hands on Training on DNA Extraction**

**Date: 21- July-2018**

**Venue: Zoology Lab**

**Time: 9:30 am**

**Name of Department:** Zoology

**Name of the Activity-** Guest Lecture on Climate Change

**Date of activity-** 20<sup>th</sup> July' 2018

**Number of Participants**—157 students of B.Sc Biology I, II &III

**Venue:** Sophia Girls' College Ajmer

**Resource Person-** Dr. Ordetta Mendoza, HOD Department of Bioinformatics, Stella Maris College, Chennai - 9445400266

## Report

The guest lecture by Dr. Ordetta Mendoza, HOD Department of Bioinformatics, Stella Maris College, Chennai focused on changes in the climatic conditions because of various anthropologic activities leading to disastrous changes in climate. The talk had relevant examples for a better understanding. The presentation was used, and the interactive session followed by the lecture was very interesting.

### Learning Objective

The objective of the lecture was to make the students aware of the grave consequences of climate change.





*M. J. S.*  
Head  
Department of Zoology  
Sophia Girls' College  
(Autonomous), Ajmer



## **2. Hands on Training on DNA extraction**

# **DEPARTMENT OF ZOOLOGY SOPHIA GIRLS' COLLEGE (AUTONOMOUS), AJMER**



**Guest lecture on Climate Change  
&  
Hands on training on DNA extraction  
by**

**Dr. Ordetta Mendoza**

**(HOD Department of Bioinformatics, Stella Maris College, Chennai)**



**Guest Lecture on Climate Change**

**Date: 20-July-2018**

**Venue: College Auditorium**

**Time: 10 am**

**Hands on Training on DNA Extraction**

**Date: 21- July-2018**

**Venue: Zoology Lab**

**Time: 9:30 am**

**Name of Department:** Zoology

**Name of the Activity-** Hands on Training on DNA extraction

**Date of activity-** 21<sup>st</sup> July' 2018

**Number of Participants--** 53 students 3<sup>rd</sup> year

**Venue:** Sophia Girls' College (Autonomous), Ajmer (Zoology Lab)

**Resource Person-** Dr.Ordetta Mendoza, HOD Department of Bioinformatics, Stella Maris College, Chennai- 9445400266

## **Report**

DNA Extraction experiment was conducted by Ma'am Ordetta Mendoza, HOD dept of Bioinformatics from Stella Maris College, Chennai. She demonstrated the experiment to the third-year students and even guided the students to perform the same. She even shared few tips to be followed during the experiment.

## **Learning Objective**

The aim of the exercise was to train the students in extracting DNA from plant material. They got an opportunity to learn the fine nuances of the technique.









3. Guest lecture by Dr. Prakash Chand Sharma: The Integumentary System of Chordates

# DEPARTMENT OF ZOOLOGY



**SOPHIA GIRLS' COLLEGE (AUTONOMOUS),  
AJMER**

**GUEST LECTURE BY**

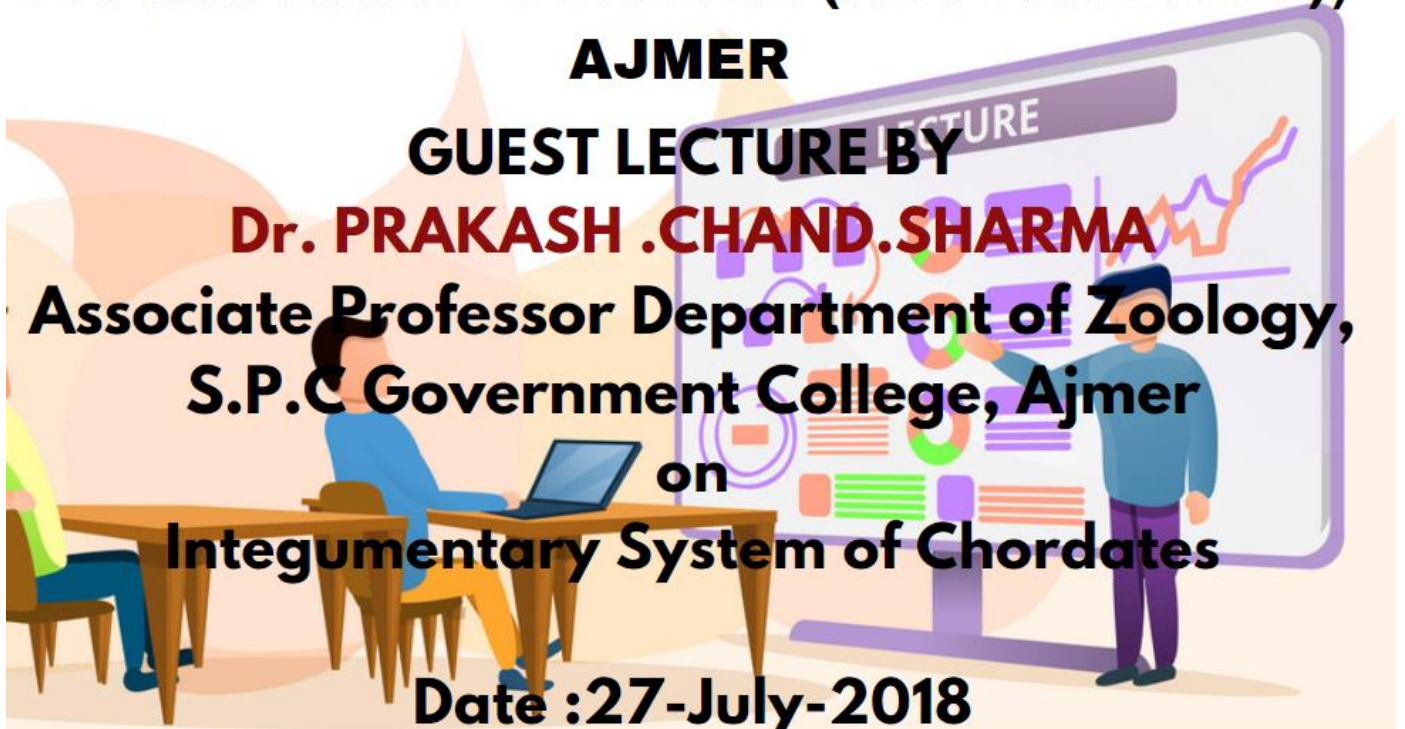
**Dr. PRAKASH .CHAND.SHARMA**

**Associate Professor Department of Zoology,  
S.P.C Government College, Ajmer**

**on  
Integumentary System of Chordates**

**Date :27-July-2018**

**Venue: College Auditorium**



**Name of Department:** Zoology

**Name of the Activity-** Guest lecture by Dr. Prakash Chand Sharma: The Integumentary System of Chordates

**Date of activity-** 27<sup>th</sup> July' 2018

**Number of Participants--** 55 students 3<sup>rd</sup> year

**Venue:** Sophia Girls' college Ajmer (Autonomous) – Auditorium (Due to unavailability of the auditorium, the programme was shifted to Room No: 73)

**Resource Person-** Dr. Prakash Chand Sharma, Associate. Professor Department of Zoology, S.P.C Government College, Ajmer – [sharmapc@gmail.com](mailto:sharmapc@gmail.com)

### **Report**

The lecture was exclusively of for the students of Final Year. It was an effective lecture supported by a lucid power point presentation. It was followed by an interactive session to where their queries were solved.

### **Learning Objective**

The aim of organizing the guest lecture was to provide the students a better understanding of the integumentary derivatives.





#### 4. Departmental Picnic

# DEPARTMENT OF ZOOLOGY SOPHIA GIRLS' COLLEGE (AUTONOMOUS), AJMER



*Monsoon is nature's  
way of saying lets  
party and have fun...*

**Departmental Picnic  
to  
Regenta Resort, Pushkar  
for  
B.Sc Biology Students  
Date :14-August-2018**



**Name of Department:** Zoology

**Name of the Activity-** Departmental Picnic

**Date of activity-** 14<sup>th</sup> August 2018

**Number of Participants--** 149 of B.Sc Biology I ,II& III

**Venue:** Regenta Resort,Pushkar

**Resource Person-** Mrs.MrigankaUpadhyay

Sr. Swapana John

### **Report**

The Zoology forum in collaboration with other science forum organized a picnic to Regentaresort Pushkar, which is surrounded by Aravalli hills and is a scenic place. A delicious breakfast was followed by dance, pool party and tour of the resort. The students then enjoyed the sumptuous lunch. some fun games were organized by the teachers which required teamwork by the students. The students enjoyed the event thoroughly.

### **Learning Objective**

The picnic aimed at building team spirit and leadership qualities in the students along with a fun trip





5. Guest Lecture Dr Prakash C Sharma



**DEPARTMENT OF ZOOLOGY**  
**SOPHIA GIRLS' COLLEGE (AUTONOMOUS),**  
**AJMER**

**Guest Lecture by:**

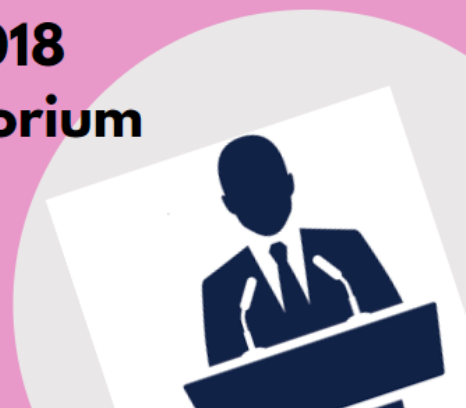
**Dr. Prakash .Chand. Sharma**

**(Associate. Professor Department of Zoology,  
S.P.C Government College, Ajmer)**

**on**

**Date:16-August-2018**

**Venue: College Auditorium**





**Name of Department:** Zoology

**Name of the Activity-** Guest Lecture Dr Prakash C Sharma

**Date of activity-** 16th August 2018

**Number of Participants--** 53 students

**Venue:** Sophia Girls' College (Autonomous), Ajmer – Auditorium (Due to unavailability of the auditorium, the programme was shifted to Room No: 39)

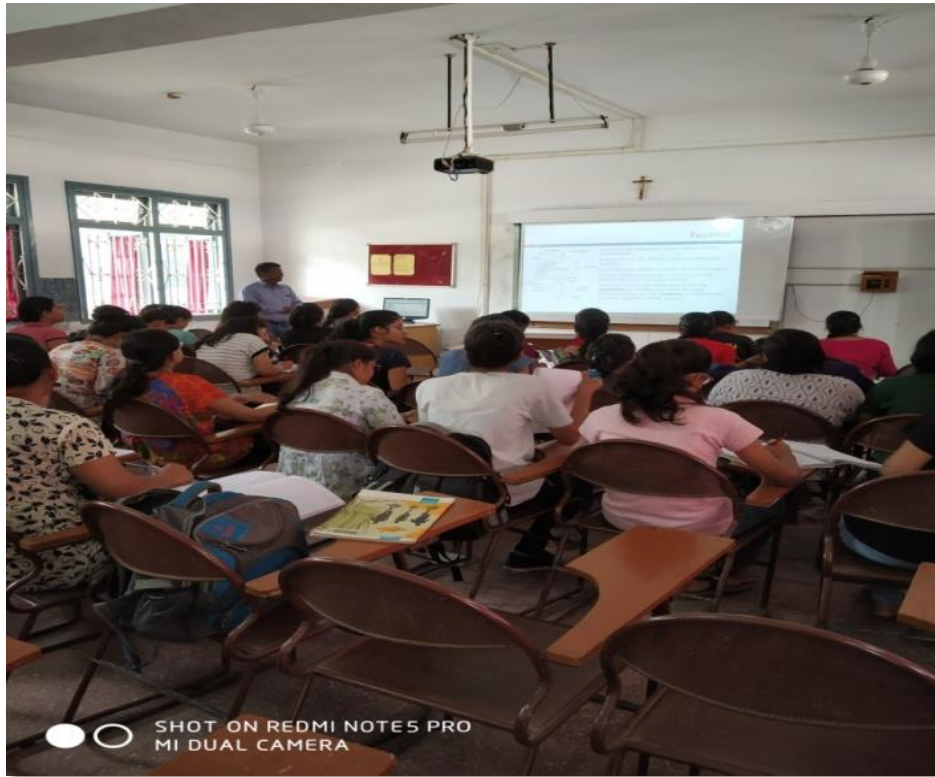
**Resource Person-** Dr. Prakash Chand Sharma, Associate. Professor Department of Zoology, S.P.C Government College, Ajmer - [sharmapc@gmail.com](mailto:sharmapc@gmail.com)

### **Report**

The lecture was presented by Dr.P.C. Sharma Associate. Professor Department of Zoology, S.P.C Government College, Ajmer. His talk was facilitated by a power point presentation which made it easier for the students to have a better understanding of the topic.

### **Learning Objective**

The objective of the lecture was to provide information about comparative account of alimentary canal and digestion in Chordates.



## **6. Guest lecture on How to write a Research Paper**

**DEPARTMENT OF ZOOLOGY & BOTANY**  
**SOPHIA GIRLS' COLLEGE (AUTONOMOUS),**  
**AJMER**



**Guest Lecture by:**  
**Dr. Monika Kannan**  
**(Head Department of Geography,**  
**Sophia Girls' College (Autonomous),**  
**Ajmer**  
**on**  
**How to Write a Research Paper**

**Date: 1-Sep-2018**  
**Venue : College Auditorium**



**Name of Department:** Zoology

**Name of the Activity-** Guest lecture on How to write a Research Paper

**Date of activity-** 1<sup>st</sup> Sept' 2018

**Number of Participants--** 100

**Venue:**Sophia Girls' College Ajmer, (Autonomous) – Auditorium

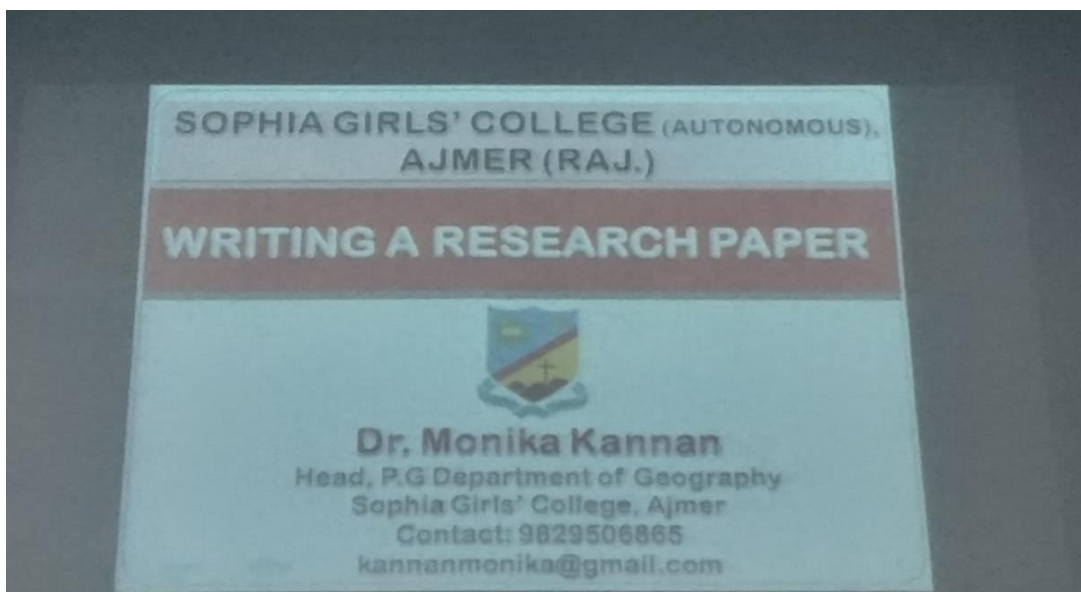
**Resource Person-** Dr. Monika Kannan, (HOD) Geography Department and a Research Guide at M.D.S. University, Ajmer- [monika@sophiacollegeajmer.in](mailto:monika@sophiacollegeajmer.in)

### **Report**

Keeping in mind the importance of research in higher education the forum organized a guest lecture on how to write a research paper. Research paper writing has to be done in a systematic manner and Dr Monika Kannan, Head Department of Geography who has more than 40 publications to her credit gave a very lucid presentation on this.


### **Learning Objective**

The session aroused curiosity and interest in the mind of Students. It included all the major components of a research paper writing. Their queries regarding all the basic elements of paper writing were solved.





7. An Industrial visit to Saras Dairy

**DEPARTMENT OF ZOOLOGY**   
**SOPHIA GIRLS' COLLEGE (AUTONOMOUS),**  
**AJMER**



**Join us for an Industrial Visit to**  
**Saras Dairy**  
**Date: 30-October-2018**

**Name of Department:** Zoology

**Name of the Activity-** An Industrial visit to Saras Dairy

**Date of activity-** 30 October 2018

**Number of Participants--** 54 students of B.Sc. Bio II

**Venue:** Saras Diary, Ajmer

**Resource Person-** Madam Shweta, P.R.O Saras Diary

### **Report**

The students visited the Saras dairy plant where they were accompanied by an industry employee who took them to various sections to experience the procedures involved in the manufacturing and packaging of dairy products. The students visited all the departments and even interacted with the staff there for their queries.

### **Learning Objective**

The industrial visit aimed at providing experiential learning. The industrial visit to Saras dairy gave the students an opportunity to get a first-hand experience about the production and transportation methods involved in the final supply of pasteurised milk.









8. A visit to bird fair

**DEPARTMENT OF ZOOLOGY**



**SOPHIA GIRLS' COLLEGE (AUTONOMOUS),  
AJMER**

*In order to see Birds  
it's necessary to be a  
part of the  
Silence.... So lets join  
in..*



**A Visit To Bird Fair**

**Date :12th -14th -January-2019**

**Venue: Anasagar Lake, Ajmer**

**Name of Department:** Zoology

**Name of the Activity-** A visit to bird fair

**Date of activity-** 12<sup>th</sup>-14<sup>th</sup>Jan'2019

**Number of Participants**—52 students of B.Sc. Bio III

**Venue:** Anasagar Lake, Ajmer

### **Report**

A fair is organized every year in the month of January /February to sensitize and make the people aware about various migratory birds visiting Ajmer. The fair is organised by Rajasthan Patrika, District Administration and Ajmer Development Authority to promote tourism.

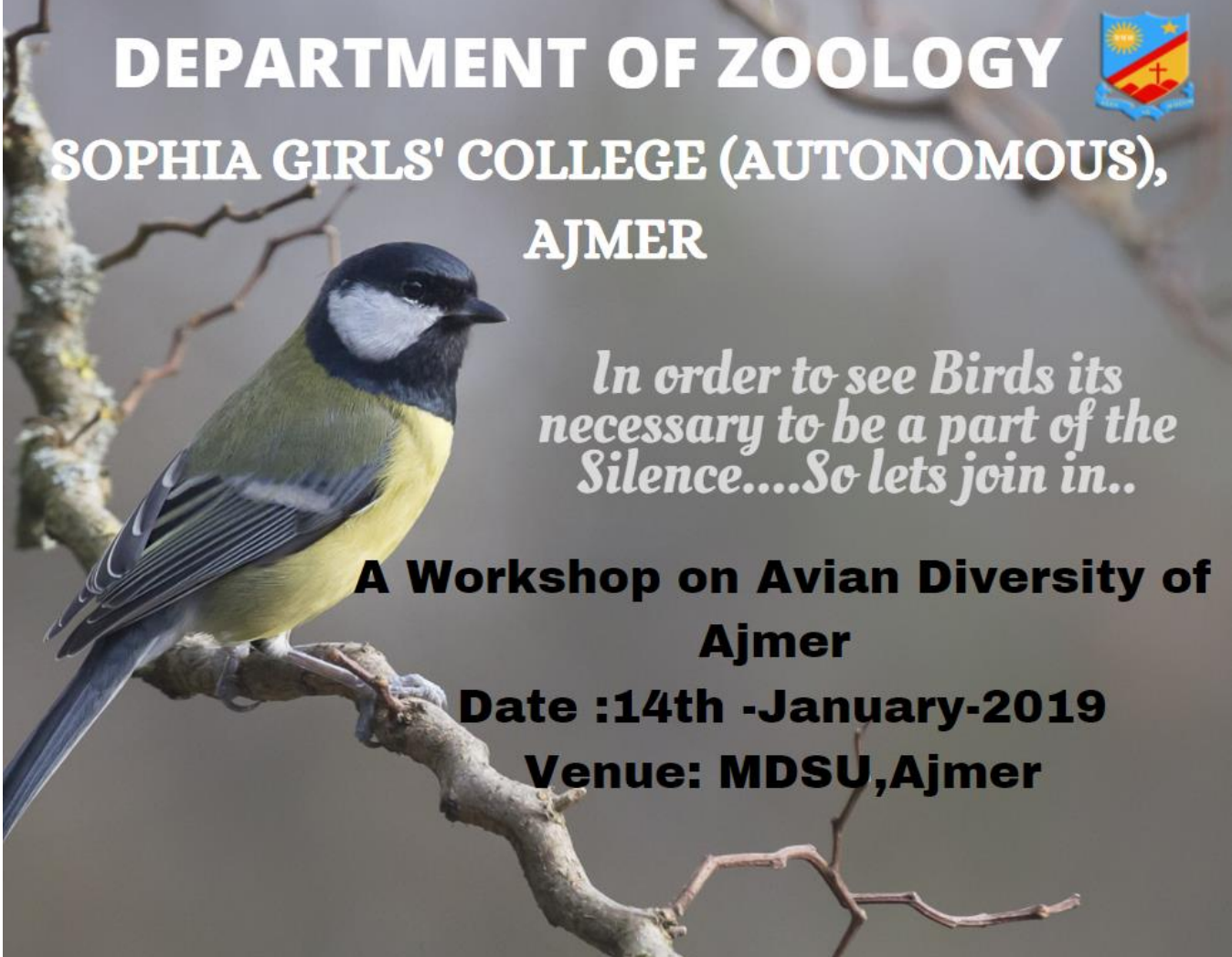
### **Learning Objective**


The aim of participating in the event is to sensitize or students and make them aware about various migratory birds visiting Ajmer. This exposure gives our students an opportunity to understand the behaviour of these birds.





**9. Workshop on Avian Diversity of Ajmer**



**DEPARTMENT OF ZOOLOGY**   
**SOPHIA GIRLS' COLLEGE (AUTONOMOUS),**  
**AJMER**

*In order to see Birds its necessary to be a part of the Silence....So lets join in..*

**A Workshop on Avian Diversity of Ajmer**  
**Date :14th -January-2019**  
**Venue: MDSU,Ajmer**

**Name of Department:** Zoology

**Name of the Activity-** Workshop on Avian Diversity of Ajmer

**Date of activity-** 14<sup>th</sup> Jan'2019

**Number of Participants--** 53 students of 3<sup>rd</sup> year B.Sc. Bio

**Venue:**MDS University, Ajmer

**Resource Person-** Dr. Praveen Mathur,(HOD) Department of Environmental Science MDS. University Ajmer.MrMeena, D.F.Ofromthe DepartmentofForest.

## Report

A one-day workshop was organised by Department of Environmental Science, M.D.S University Ajmer on Avian Diversity of Ajmer. The workshop had two technical sessions and a photo and collage exhibition. The students participated enthusiastically in the talk and photo exhibition.

## Learning Objective

The aim of the workshop was to familiarise the students with the Avifauna, their behaviour and migration pattern. They even got an opportunity to interact with the subject experts .The exhibition was an altogether new learning experience for the students.



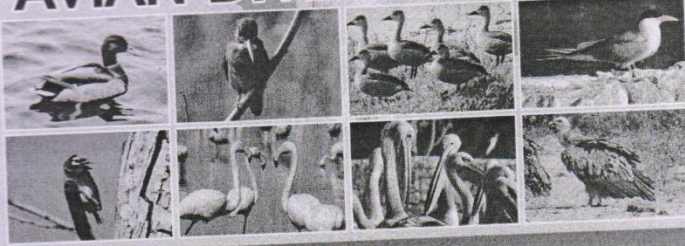


# WORKSHOP ON AVIAN DIVERSITY OF AJMER



DEPARTMENT OF  
ENVIRONMENTAL SCIENCE  
MDS UNIVERSITY AJMER

Date :  
14 JANUARY 2019



वन विभाग  
अजमेर

राजस्थान पत्रिका

जिला प्रशासन  
नगर निगम अजमेर

## ◆◆◆ CERTIFICATE ◆◆◆

This is to certify that ...*Chavi Solomon*.....  
of .....*Sophia Girls' College Ajmer*.....  
has participated in Workshop on Avian Diversity of Ajmer, jointly  
organised by Department of Environmental Science M.D.S. University, Ajmer,  
Bird Conservation Society, Ajmer and Forest Department, Ajmer

*Praveen Mathur*  
Prof. Praveen Mathur  
Head, Department of Environmental Science,  
MDS University, Ajmer



DEPARTMENT OF ENVIRONMENTAL SCIENCE  
MAHARSHI DAYANAND SARASWATI UNIVERSITY, AJMER  
BIRD CONSERVATI SOCIETY, AJMER



10. Guest Lecture on Entrepreneurship and Benefits of Organic Products

**DEPARTMENT OF ZOOLOGY**

**&**

**NATURE CLUB**

**SOPHIA GIRLS' COLLEGE (AUTONOMOUS),  
AJMER**



**A HEALTHY FOOD FOR A  
WEALTHY MOOD**

Guest Lecture by :

Ms. Ankita Kumawat (Co-Founder cum Director Goratan Products  
Private Limited and Founder, Matratav Dairy Farms and Goratan)

on

**Entrepreneurship & Benefits of Organic Products**

**Date:12-March-2019**



**Name of Department:** Zoology

**Name of the Activity-** Guest Lecture on Entrepreneurship and Benefits of Organic Products

**Date of activity-** 12<sup>th</sup> March'19

**Number of Participants:** 117

**Venue:** Sophia Girls' College Ajmer Auditorium

**Resource Person-** Miss Ankita Kumawat, Co-Founder cum Director, Goratan Products Private Limited and Founder, Matratav Dairy Farms and Goratan

### **Report**

Guest speaker was Miss Ankita Kumawat, an IIM graduate who found her calling in the dairy and farm business. She provided an insight into the propaganda around manufactured food products and how to live a healthy lifestyle. A small exhibition of organic products from Goratan was also put up for sale.

### **Learning Objective**

The main aim of the lecture was to make the students aware of the health benefits of consuming organic food.





## 11. Outreach Programme to Bhilwara



**Name of the Forum** – Good News Group

**Name of the Activity-** Outreach Programme to Bhilwara

**Date of activity-** 18<sup>th</sup>February, 2019

**Number of Participants-** 49 students & 4 staff members (8 students of B.Sc Biology)

**Venue-** Hearing-Impaired School in Bhilwara

### **Report**

“It is said, if you carry joy in your heart, you can heal any moment.” An outreach program to the Hearing-Impaired School in Bhilwara was organized by Good News Group (in which 8 students of B.Sc Biology participated).

## Learning Outcome

The aim of sending our students was to provide them an experiential learning, realize the blessedness that they have which they take for granted.

