

# FATIMA MATA NATIONAL COLLEGE

AUTONOMOUS

(Reaccredited with 'A' Grade by NAAC)

Affiliated to University of Kerala



## 3.6.3 Environment Club Report 2018-19

**IQAC** INTERNAL QUALITY ASSURANCE CELL



FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS), KOLLAM

## ENVIRONMENTAL CLUB ACTIVITY



**Dr Sarlin P J (Convenor)**

**Dr B Sinilal (Member)**

**Dr Vijayasree A.S (Member)**

**2018 - 2019**

The Environmental club (FMNC, Kollam) debuted a year earlier, conducted several activities during this academic year also. A wide variety of activities were undertaken including celebration of days of importance to environment, awareness creation and pollution mitigation.

### **The Plastic Bottle Collection Drive - 2018**

As part of the **World Environment Day Celebrations 2018** in the College, the Department of Zoology with the support of **KSCSTE** Thiruvananthapuram, Students of Environmental Club organized a Plastic Bottle Collection Drive. The initiative a hitherto unheard venture in this part of the world was a grand success with 132kg of discarded plastic disposable bottles picked up by the staff and students of the college along with the support of NSS Volunteers.

The collected bottles were handed over to Mr. Benzil Job of M/s **SIGNET RING** General Trading LLC, Mundakkal for recycling.

From our collection we gladly supplied more than 1000 bottles to the students engaged in Flood Relief Operations to distribute cleaning lotions prepared by them.

The quantity of the plastic bottles collected indicates the dedication of those involved. These discarded bottles would have ended in landfills or clogged the drains or landed in water bodies and continued polluting the atmosphere. With this humble initiative we were able to remove this much plastic and above all we relished every moment of this drive where all the ones involved and onlookers gained valuable insights about environment and plastic pollution and the new sense of civic responsibility.

Students of Environment Club actively involved in these activities.

**Sep 2018**







## WORLD OZONE DAY CELEBRATION

Venue: JUBILLE HALL, FMN COLLEGE, KOLLAM

18-09-2018 2PM – 4PM

Programme

Prayer

Welcome : Dr. Sarlin, Convenor, Enviroment Club

Speaker: Dr. Rubin Jose, Convenor, Science club

Topic: OZONE LAYER DEPLETION- HARMFUL EFFECTS

Vote of thanks: Dr. Shaiju P. N.

### OZONE LAYER DEPLETION- HARMFUL EFFECTS

**Ozone layer**, also called **ozonosphere**, region of the upper atmosphere, between roughly 15 and 35 km (9 and 22 miles) above Earth's surface, containing relatively high concentrations of ozone molecules ( $O_3$ ). Approximately 90 percent of the atmosphere's ozone occurs in the stratosphere, the region extending from 10–18 km (6–11 miles) to approximately 50 km (about 30 miles) above Earth's surface. In the stratosphere the temperature of the atmosphere rises with increasing height, a phenomenon created by the absorption of solar radiation by the ozone layer. The ozone layer effectively blocks almost all solar radiation of wavelengths less than 290 nanometres from reaching Earth's surface, including certain types of ultraviolet (UV) and other forms of radiation that could injure or kill most living things.

We *can* reduce global warming emissions and ensure communities have the resources they need to withstand the effects of climate change—but not without you. Your generous support helps develop science-based solutions for a healthy, safe, and sustainable future.



# WORLD WETLANDS DAY CELEBRATION 2019

ON 8th FEBRUARY 2019

ORGANISED BY

PG AND RESEARCH DEPARTMENT OF ZOOLOGY &

Environment Club

FATIMA MATA NATIONAL COLLEGE (AUTONOMOUS), KOLLAM

KERALA, 691001.

SUPPORTED BY

*THE KERALA STATE COUNCIL FOR SCIENCE, TECHNOLOGY  
& ENVIRONMENT, THIRUVANANTHAPURAM*

2019

## World Wetlands Day – 2019

World Wetlands Day 2019 was celebrated in Fatima Mata National College, Kollam under the auspices of PG & Research Department of Zoology with the support of Kerala State Council for Science, Technology and Environment (KSCSTE), Thiruvananthapuram. The KSCSTE funded the celebrations and issued the guidelines for the conduct of the day. As part of the World Wetlands Day Celebrations on 5<sup>th</sup> Feb, 2019 at 10 am PG & Research Department of Zoology conducted an *Inter Department Elocution Competition* on “*Wetlands and Climate change*” which was moderated by Dr. Johnson Pius and Dr. Sreelekshmy. First Prize was won by Ms Nihitha Sajan (I DC Physics of FMN College, Kollam), Second Prize was won by Ms. Aleena A (I DC Physics of FMN College, Kollam).

The afternoon session of the day was lively with the participation of 16 UG students vigorously competing in the *Inter Department Essay Writing Competition* on “*Wetlands and Climate change*” which was conducted by Dr. Johnson Pius and Dr. Vijayasree. Sreelekshmy J S of II DC English won the first prize and Shilpa Raj S of III DC Zoology won the second prize.

As part of the World Wetlands Day Celebrations on 8<sup>th</sup> Feb 2019 at 10 am, The PG & Research Department of Zoology conducted an *Inter Collegiate Poster Painting Competition* on “*Man and Wetlands – The Vital Link*” which was evaluated by a panel of experts including Dr. Johnson Pius, Dr. Charles George D’Cruz and Dr. Vijayasree. 9 contestants from various nearby colleges actively participated. S. Nivedhitha of I DC Psychology (FMN College, Kollam) won the first prize and Tina Terrance of IDC Zoology (FMN College, Kollam) won the second prize.

The Day was celebrated in FMN College on 08<sup>th</sup> February 2018 at the Jubilee Hall. The celebrations officially began at 10.30 am at the Jubilee Hall with a Prayer Song by I DC Zoology students. Around 150 students including 10 students from 2 other Arts and Science Colleges of the district were assembled. Seminar Kits were distributed to 150 participants on a first come first served basis. Ceremonial Lighting of Lamp was carried out by the delegates and representatives of the staff and students. Coordinator of the WWD 19, Dr. Sarlin. P J welcomed the participants and introduced the resource person, Dr. Hari. B (Assistant Professor, Sree Narayana College, Kollam). The guests in the Dias were welcomed with flowers and applause. In her speech, Dr. Sarlin briefly explained wetlands, its' importance and necessity to conserve etc. In simple words she gave an idea of the main theme of wetland day to the listeners including the staff and students from Humanities and other departments of science of the college.

The Chairperson of the WWD 19, FMNC, Dr. Vincent B Netto (Principal, Fatima Mata National College, Kollam) delivered the Presidential Address. The Principal congratulated the Department of Zoology for organizing such meaningful activities in the college. He reiterated the College management's commitment in extension activities and highlighted the importance of the commemoration of such days. He spoke about the importance of wetlands and about the recent floods, and how we can protect our nearby wetlands and exhorted the students to do whatever they can to conserve it. The listeners welcomed the words with a loud applause.

The Day's activities were formally inaugurated by the Resource Person Dr. Hari B, Assistant Professor, S N College, Kollam. Convener of the WWD 19, FMNC, Dr. Antony Akhila Thomas (HOD, PG & Research Department of Zoology) felicitated the gathering and the Principal distributed the Cash Prizes and certificates to the winners. Following the inauguration Dr. Hari B delivered the

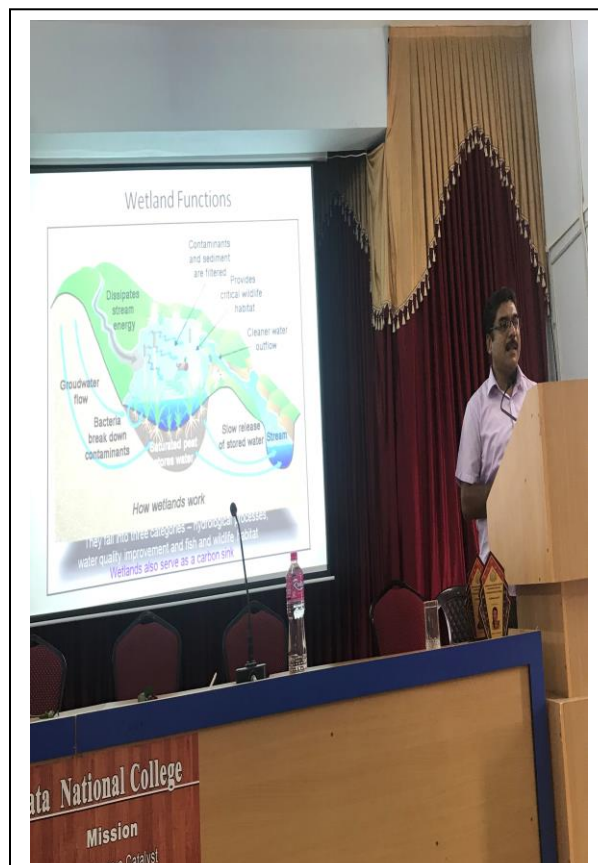
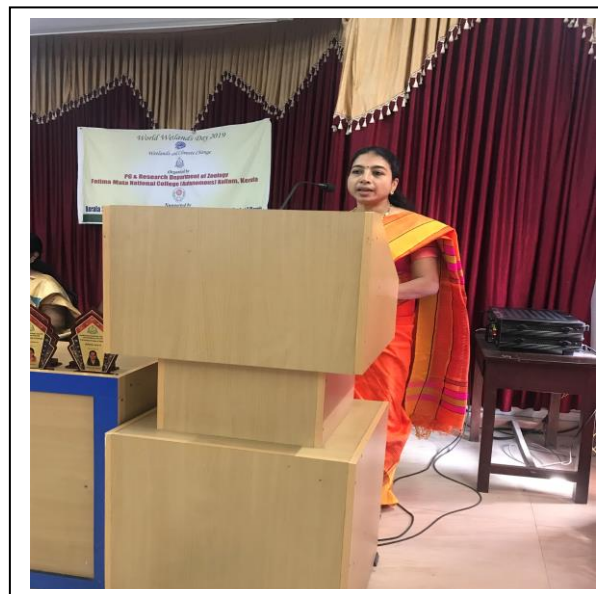


Keynote Address. He elaborated on the importance of wetlands and the issues and concerns related to it. The hour long talk guided the students through different types of wetlands, the important role they play as an ecosystem, importance of wetlands and climate change, the indispensable nature of it; the threats they face even when wetlands are inevitable to sustain life. He stressed about the new interest on wetlands to combat climate change. Wetlands can act as very efficient carbon absorbers and is a natural weapon to combat the attack of green house gases.

Following the keynote address, an interesting discussion session about the need to conserve the wetland and ways to do it, ensued. The session was lively with active inputs from the resource person and the faculty. The Staff Association Secretary Dr. Mumtaz Y (Guest Lecturer, Dept. of Zoology, FMNC) felicitated the audience. Ms. Akhila George (I IDC Zoology, Association Secretary) paid vote of thanks and the celebration of the WWD19 at FMNC came to an end. All environment club members actively participated in the wetland day celebrations.

## **RECOMMENDATIONS**

1. All students were motivated to preserve the wetlands near their surroundings.
2. Displaying wetlands related articles and news on college campus.





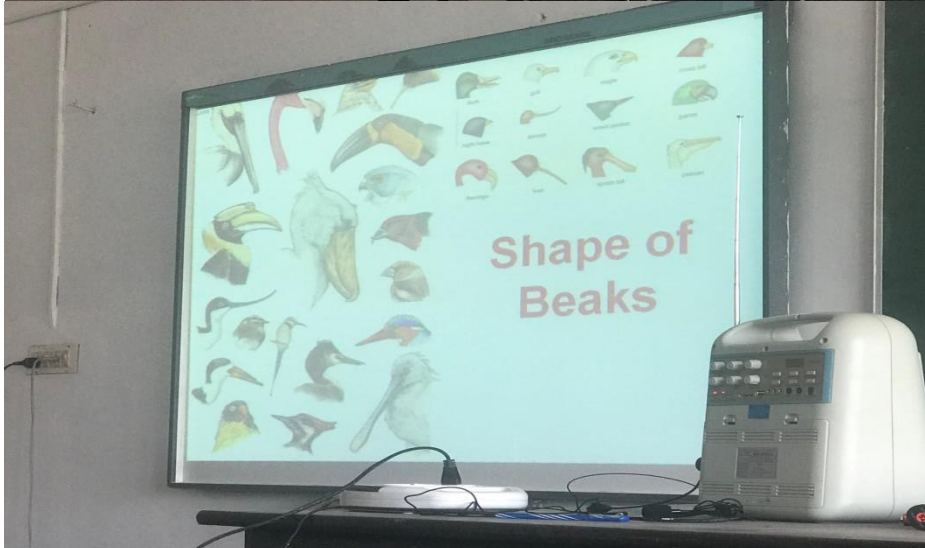






In preparation of the Great Back Yard Bird Count and Campus Bird Count 2019, district level training program was organized at Fatima Mata National College, Kollam on 14<sup>th</sup> Feb, 2019. Training program started at 1 pm with a silent prayer. Dr Sarlin P J welcomed the guests and participants. Mr. A K Sivakumar, Senior Educational Officer, WWF Kerala, Mr Sajith V (Co-ordinator, WWF and Kerala Biodiversity Board) and Dr. Jishnu (District Medical Officer, Punalur and Co-Ordinator WWF) conducted classes to create awareness about Bird Identification, Bird Counting and also imparted hands on training on e-bird App. Members of Environment Club and Students from PG and Research Department of Zoology, FMNC and a good number of students from nearby colleges (SN College for Men and St St. Stephen's College Pathanamthitta) benefited from the training. Students were guided through the registration and usage of ebird app- an international electronic facility to scientifically record data of birds worldwide. At the end of the session the volunteers were given field training

at the campus and they were able to do the identification, counting and uploading of data on ebird app.















## Department of Zoology / Environmental Activities - Campus Bird Count on 15<sup>th</sup> February 2019

A study on the avian diversity of Fatima Mata National College campus was done as part of Campus Bird Count conducted by WWF in **February 15, 2019**. The survey was conducted between 8 am and 11.30 am on the said day. The birds spotted by participating volunteer students at the above sites formed the basis of the study. Students from Department of Zoology and Environmental Activities actively participated in the survey. The findings were recorded in e-bird.

### Checklist S52705682

[Same location and date](#)

Fatima College Internal Road, Kollam, Kerala, IN (8.886, 76.602), Kollam County, Kerala, IN on Fri Feb 15, 2019

[Same location](#) Fatima College Internal Road, Kollam, Kerala, IN (8.886, 76.602), Kollam County, Kerala, IN

[Same area and date](#)

Another location near Fatima College Internal Road, Kollam, Kerala, IN (8.886, 76.602), Kollam County, Kerala, IN on Fri Feb 15, 2019

[Same area](#) Another location near Fatima College Internal Road, Kollam, Kerala, IN (8.886, 76.602), Kollam County, Kerala, IN

[Same date](#) Fri Feb 15, 2019

[Different location and date](#)

**Fatima College Internal Road, Kollam, Kerala, IN (8.886, 76.602), Kollam County, Kerala, IN**

( [Map](#) )

**Date and Effort**

[Edit Date and Effort](#)

**Fri Feb 15, 2019 6:45 AM**

Protocol: Traveling

Party Size: 15

Duration: 15 minute(s)

Distance: 0.097 kilometer(s)

Observers: [Dr Jishnu R](#) [List](#) , Dr **Sarlin PJ**



Comments: Great Backyard bird count 2019

Submitted from eBird Android, version 1.9.5

### Species

11 species total

25 [Rock Pigeon \(Feral Pigeon\)](#)

2 [White-breasted Waterhen](#)

2 [Intermediate Egret](#)

4 [Indian Pond-Heron](#)

8 [Black Kite](#)

2 [Brahminy Kite](#)

19 [Blue-tailed Bee-eater](#)

3 [White-cheeked Barbet](#)

17 [Rose-ringed Parakeet](#)

3 [House Crow](#)

1 [Purple-rumped Sunbird](#)

**Checklist** S52707386

## [Same location and date](#)

Fatima College Internal Road, Kollam, Kerala, IN (8.886, 76.602), Kollam County, Kerala, IN on Fri Feb 15, 2019

[Same location](#) Fatima College Internal Road, Kollam, Kerala, IN (8.886, 76.602), Kollam County, Kerala, IN

## [Same area and date](#)

Another location near Fatima College Internal Road, Kollam, Kerala, IN (8.886, 76.602), Kollam County, Kerala, IN on Fri Feb 15, 2019

## [Same area](#)

Another location near Fatima College Internal Road, Kollam, Kerala, IN (8.886, 76.602), Kollam County, Kerala, IN

[Same date](#) Fri Feb 15, 2019

**Fatima College Internal Road, Kollam, Kerala, IN (8.886, 76.602), Kollam County, Kerala, IN**

( [Map](#) )

## Date and Effort

[Edit Date and Effort](#)

**Fri Feb 15, 2019 7:01 AM**

Protocol:Traveling

Party Size:17

Duration:14 minute(s)

Distance:0.161 kilometer(s)

Observers:[Dr Jishnu R](#) [List](#) , **Dr Sarlin P J**

Comments:Great Backyard bird count 2019 campus bird count

Submitted from eBird Android, version 1.9.5

## Species

[Edit Species List](#)

**16 species total**

3 [Rock Pigeon \(Feral Pigeon\)](#)

19 [Little Cormorant](#)

2 [Indian Pond-Heron](#)

24 [Black Kite](#)



- 6 [Brahminy Kite](#)
  
- 1 [White-throated Kingfisher](#)
  
- 2 [Blue-tailed Bee-eater](#)
  
- 3 [White-cheeked Barbet](#)
  
- 2 [Black-rumped Flameback](#)
  
- 5 [Rose-ringed Parakeet](#)
  
- 10 [Indian Golden Oriole](#)
  
- 3 [Black Drongo](#)
  
- 14 [House Crow](#)
  
- 3 [Jungle Babbler](#)
  
- 20 [Rosy Starling](#)
  
- 15 [Common Myna](#)

Are you submitting a **complete checklist** of the birds you were able to identify?

Yes

• © [Cornell Lab of Ornithology](#)

**Checklist** S52707379

[Type text][Type text]

*Dr Sarfin P J*

[Same location and date](#)

Unnamed Road, Kollam, Kerala, IN (8.885, 76.602), Kollam County, Kerala, IN on Fri Feb 15, 2019

[Same location](#)

Unnamed Road, Kollam, Kerala, IN (8.885, 76.602), Kollam County, Kerala, IN

[Same area and date](#)

Another location near Unnamed Road, Kollam, Kerala, IN (8.885, 76.602), Kollam County, Kerala, IN on Fri Feb 15, 2019

[Same area](#)

Another location near Unnamed Road, Kollam, Kerala, IN (8.885, 76.602), Kollam County, Kerala, IN

[Same date](#)

Fri Feb 15, 2019

**Location**

[Edit Location](#)

**Unnamed Road, Kollam, Kerala, IN (8.885, 76.602), Kollam County, Kerala, IN** ([Map](#))

**Date and Effort**

[Edit Date and Effort](#)

**Fri Feb 15, 2019 7:16 AM**

Protocol:Traveling

Party Size:33

Duration:15 minute(s)

Distance:0.225 kilometer(s)

Observers: [Dr Jishnu R](#) [List](#) , **Sancia Morris**

Comments:Great Backyard bird count 2019 campus bird count

Submitted from eBird Android, version 1.9.5

**Species**

[Edit Species List](#)

**13 species total**

**6** [Rock Pigeon \(Feral Pigeon\)](#)

**2** [Asian Koel](#)

**2** [Indian Pond-Heron](#)

16 [Black Kite](#)

5 [Brahminy Kite](#)

1 [Indian Roller](#)

5 [Rose-ringed Parakeet](#)

1 [Indian Golden Oriole](#)

1 [Rufous Treepie](#)

62 [House Crow](#)

1 [Large-billed Crow \(Indian Jungle\)](#)

1 [Blyth's Reed Warbler](#)

9 [Common Myna](#)

Are you submitting a **complete checklist** of the birds you were able to identify?

Yes

• © [Cornell Lab of Ornithology](#)

**Checklist** S52707371

○

Submit another for...

[Type text][Type text]

*Dr Sarfin P J*



[Same location and date](#)

Fatima College Internal Road, Kollam, Kerala, IN (8.885, 76.602), Kollam County, Kerala, IN on Fri Feb 15, 2019

[Same location](#) Fatima College Internal Road, Kollam, Kerala, IN (8.885, 76.602), Kollam County, Kerala, IN

[Same area and date](#)

Another location near Fatima College Internal Road, Kollam, Kerala, IN (8.885, 76.602), Kollam County, Kerala, IN on Fri Feb 15, 2019

[Same area](#)

Another location near Fatima College Internal Road, Kollam, Kerala, IN (8.885, 76.602), Kollam County, Kerala, IN

[Same date](#) Fri Feb 15, 2019

**Location**

**Fatima College Internal Road, Kollam, Kerala, IN (8.885, 76.602), Kollam County, Kerala, IN**

( [Map](#) )

**Date and Effort**

[Edit Date and Effort](#)

**Fri Feb 15, 2019 7:31 AM**

Protocol :Traveling

Party Size :33

Duration :14 minute(s)

Distance:0.483 kilometer(s)

Observers:[Dr Jishnu R](#) [List](#) , **Sancia Morris**

Comments:Great Backyard bird count 2019 campus bird count

Submitted from eBird Android, version 1.9.5

**Species**

**12 species total**

4 [Rock Pigeon \(Feral Pigeon\)](#)

1 [Greater Coucal](#)

24 [Black Kite](#)

4 [Brahminy Kite](#)

1 [Barn Owl](#)

1 [Spotted Owlet](#)

3 [White-cheeked Barbet](#)

5 [Indian Golden Oriole](#)

2 [Black Drongo](#)

S

1 [Rufous Treepie](#)

21 [House Crow](#)

4 [Common Myna](#)

Are you submitting a **complete checklist** of the birds you were able to identify?

Yes

## Checklist S52707344

[Same location and date](#)

Fatima College Internal Road, Kollam, Kerala, IN (8.885, 76.603), Kollam County, Kerala, IN on Fri Feb 15, 2019

[Same location](#) Fatima College Internal Road, Kollam, Kerala, IN (8.885, 76.603), Kollam County, Kerala, IN

[Same area and date](#) Another location near Fatima College Internal Road, Kollam, Kerala, IN (8.885, 76.603), Kollam County, Kerala, IN on Fri Feb 15, 2019

[Same area](#)

Another location near Fatima College Internal Road, Kollam, Kerala, IN (8.885, 76.603), Kollam County, Kerala, IN

[Same date](#) Fri Feb 15, 2019

[Different location and date](#)

**Fatima College Internal Road, Kollam, Kerala, IN (8.885, 76.603), Kollam County, Kerala, IN**  
( [Map](#) )

[Type text][Type text]

*Dr Sarfin P J*

### Date and Effort

[Edit Date and Effort](#)

**Fri Feb 15, 2019 7:46 AM**

Protocol: Traveling

Party Size: 33

Duration: 15 minute(s)

Distance: 0.29 kilometer(s)

Observers: [Dr Jishnu R](#) [List](#) , **Sancia Morris**

Comments: Great Backyard bird count 2019 campus bird count Submitted from eBird Android, version 1.9.5

### Species

**12 species total**

3 [Asian Koel](#)

24 [Black Kite](#)

34 [Brahminy Kite](#)

10 [White-cheeked Barbet](#)

2 [Rose-ringed Parakeet](#)

7 [Black Drongo](#)

2 [Rufous Treepie](#)

29 [House Crow](#)

## Checklist S52707331

[Same location and date](#)

Fatima College Internal Road, Kollam, Kerala, IN (8.886, 76.604), Kollam County, Kerala, IN on Fri Feb 15,



2019

[Same location](#) Fatima College Internal Road, Kollam, Kerala, IN (8.886, 76.604), Kollam County, Kerala, IN

[Same area and date](#)

Another location near Fatima College Internal Road, Kollam, Kerala, IN (8.886, 76.604), Kollam County, Kerala, IN on Fri Feb 15, 2019

[Same area](#) Another location near Fatima College Internal Road, Kollam, Kerala, IN (8.886, 76.604), Kollam County, Kerala, IN

[Same date](#) Fri Feb 15, 2019

[Different location and date](#)

**Fatima College Internal Road, Kollam, Kerala, IN (8.886, 76.604), Kollam County, Kerala, IN**  
( [Map](#) )

### Date and Effort

[Edit Date and Effort](#)

**Fri Feb 15, 2019 8:01 AM**

Protocol:Traveling

Party Size:33

Duration:15 minute(s)

Distance:0.257 kilometer(s)

Observers:[Dr Jishnu R](#) [List](#) , **Dr Sarlin P J**

Comments:Great Backyard bird count 2019 campus bird count

Submitted from eBird Android, version 1.9.5

### Species

**10 species total**

1 [Asian Koel](#)

2 [Indian Pond-Heron](#)

7 [Black Kite](#)

14 [Brahminy Kite](#)

2 [Indian Roller](#)

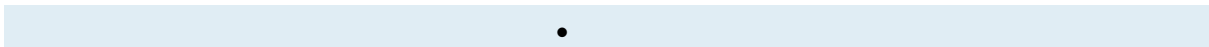
3 [White-cheeked Barbet](#)

2 [Black Drongo](#)

20 [House Crow](#)

1 [Blyth's Reed Warbler](#)

5 [Common Myna](#)



2019-02-15 08:01	Fatima College Internal Road, Kollam, Kerala, IN (8.886, 76.604)	Kollam IN- KL	<a href="#">View or edit</a>   <a href="#">Share</a>   <a href="#">Delete</a>
2019-02-15 07:46	Fatima College Internal Road, Kollam, Kerala, IN (8.885, 76.603)	Kollam IN- KL	<a href="#">View or edit</a>   <a href="#">Share</a>   <a href="#">Delete</a>
2019-02-15 07:31	Fatima College Internal Road, Kollam, Kerala, IN (8.885, 76.602)	Kollam IN- KL	<a href="#">View or edit</a>   <a href="#">Share</a>   <a href="#">Delete</a>
2019-02-15 07:16	Unnamed Road, Kollam, Kerala, IN (8.885, 76.602)	Kollam IN- KL	<a href="#">View or edit</a>   <a href="#">Share</a>   <a href="#">Delete</a>
2019-02-15 07:01	Fatima College Internal Road, Kollam, Kerala, IN (8.886, 76.602)	Kollam IN- KL	<a href="#">View or edit</a>   <a href="#">Share</a>   <a href="#">Delete</a>

2019-02-15  
06:45

Fatima College Internal Road, Kollam, Kerala, IN  
(8.886, 76.602)

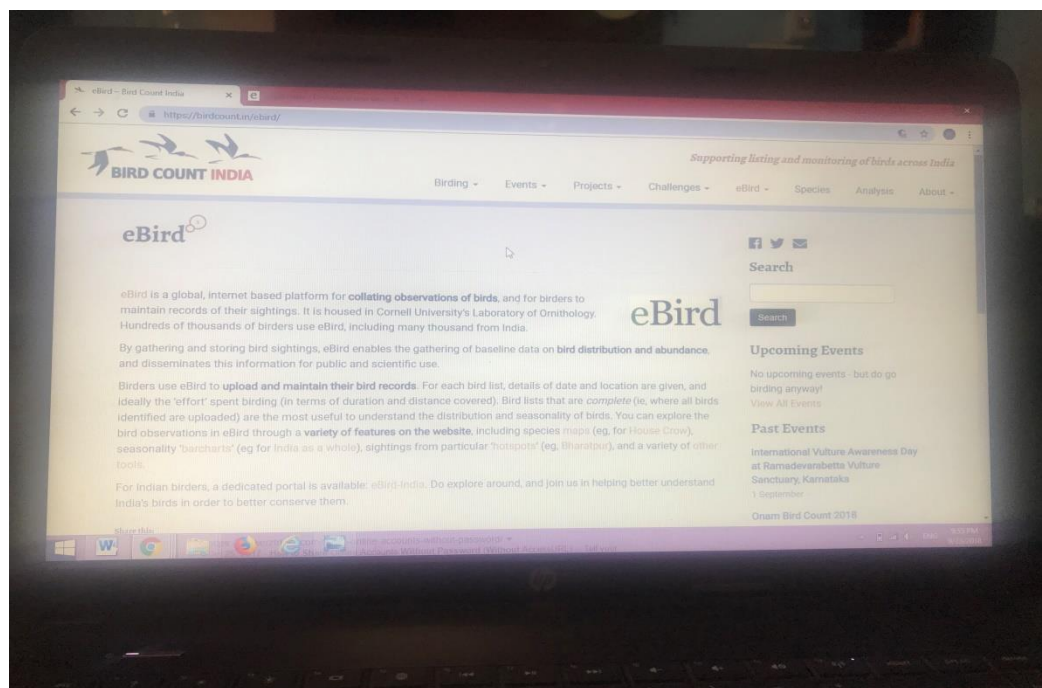
Kollam IN-  
KL

[View or edit](#) | [Share](#) | [Delete](#)

Our Findings/Checklists are available online on ebird.org.



*Supporting listing and monitoring of birds across India*





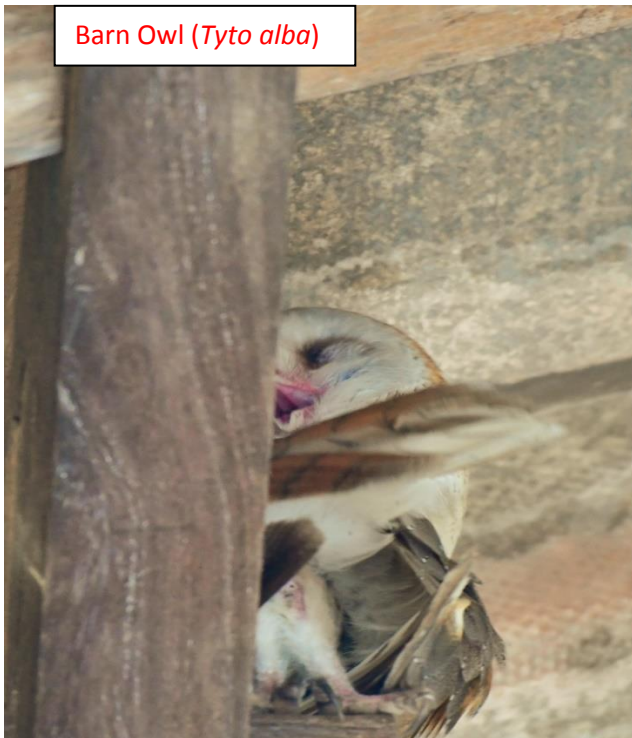
**Indian Golden Oriole / *Oriolus kundoo***



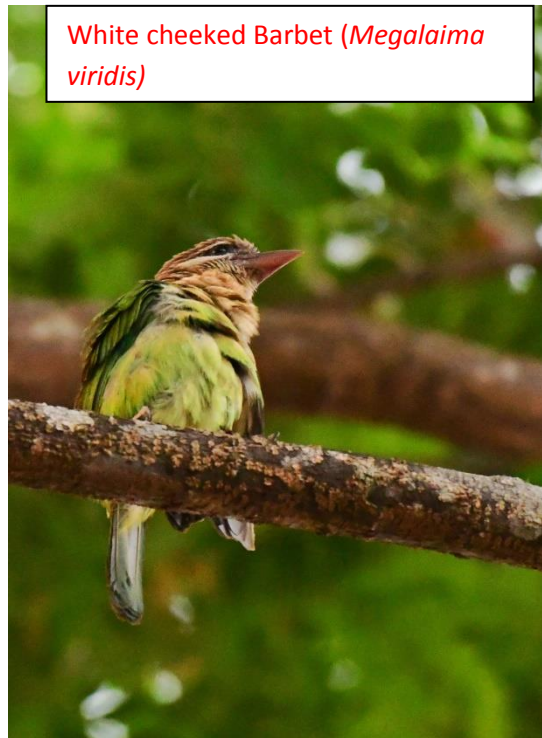
**Common Flame back (*Dinopium Javanese*)**



**Barn Owl (*Tyto alba*)**



**White cheeked Barbet (*Megalaima viridis*)**

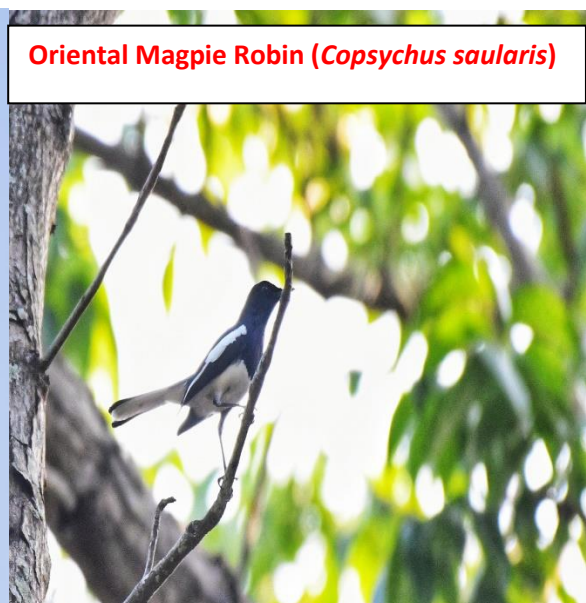




Jungle Owlet (*Glaucidium radiatum*)



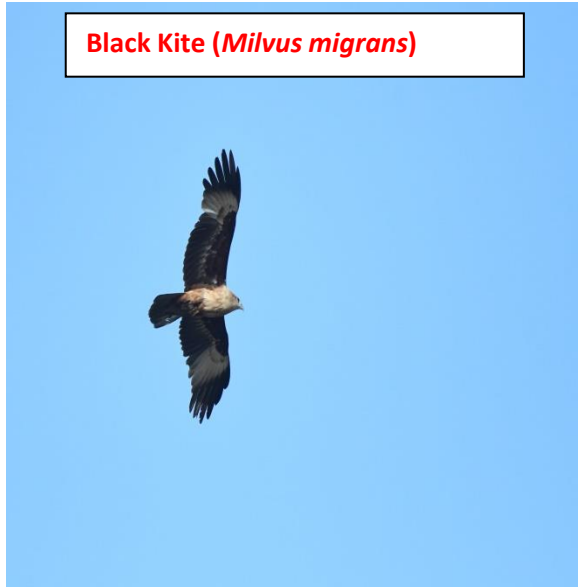
Brahminy Kite (*Haliastur indus*)



Oriental Magpie Robin (*Copsychus saularis*)



**Black Kite (*Milvus migrans*)**



**Asian Koel (*Eudynamys scolopaceus*)**



**Indian Roller (*Coracias benghalensis*)**





