

Registration no: S0005627 of 2019-20 Email: wildwingsbengal@gmail.com www.wildwingsindia.in



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#### **About WINGS**

Wildlife Information and Nature Guide Society, popularly WINGS, was formed out formally on 12th April 2018, and officially registered on 17th July, 2019, by a bunch of enthusiastic youths, in order to channelize efforts for biodiversity conservation in Durgapur and adjacent areas, towards a common achievement goal and also raise the levels of awareness for same. Our services include Wildlife Monitoring Survey, development and of Management Plan (WMP), awareness related to environment and wildlife, citizen science, sustainable agriculture, agritourism. In 2013, a group of birdwatchers made a group and website namely "Birding Durgapur" to grow interest about birds in this city. Due to increasing citizen involvement, the small web group decided to extend their work zone to whole Paschim Bardhaman district on total biodiversity. As a result, the group was renamed "Biodiversity of Paschim Bardhaman" in 2016. In late 2016, some group members begin a "Barrage Cleaning Campaign" to make the Durgapur Barrage pollution free from the cope of irresponsible picnickers and to protect its biodiversity. In 12th April 2018, some participants of the aforesaid campaign, united at Chaturanga Maidan and laid the

foundation stone. We are thankful to Dr. Utpal Singha Roy (Assistant Professor, Durgapur Govt. College), Mr. Milan Kanti Mandal (former DFO, Durgapur Forest Division), Late Mr. Subhra Lahiri (former HOD, HR, NHIT), Mr. Ashit Kumar Ghosh (President, NHIT), Mr. Abhijeet Sett (Lecturer, K.G. Engineering Institute, Bishnupur), Dr. Sudipta Das (Associate Professor, Durgapur Govt. College), Dr. Moitreyee Chakraborty (Assistant Professor, Durgapur Govt. College) and Amar Nayak (Assistant Teacher) for always being with us. WINGS has been lucky enough to find guidance from personalities like Late Shubhra Lahiri, in its days of infancy, thus paving way for formation of a more mature, positive, enthusiastic and democratic organization in the coming days. Within a year of official registration, WINGS has created a deep impact in the biodiversity conservation landscape of Eastern India, with academic reach now extending across West Bengal and across the state borders to Assam and Jharkhand, and also in neighboring Bangladesh. With the feat of successfully establishing Green Picnic Mission as a state wide movement, in its kitty, WINGS has envisaged greater participation of common citizens in scientific innovations, thus ensuring that, Science does not merely remain confined

to a bookish subject, but becomes a practical reality for every citizen of this country. Several constraints have always been hindrance in the successful march of WINGS, but the organization has evicted all of them within tense of will power to achieve newer heights and remains committed for accomplishing the same in the coming years!



#### Patron's Message

It gives me immense pleasure to know that Wildlife Information & Nature Guide Society (WINGS) is going to publish its annual book. I do convey my heartfelt thanks to the planners and wish that the publication will fulfill its specific aims and objectives.

We are living in an era where life has become comparatively comfortable and luxurious for most of us like never before. However, at the same time, we are exhausting nature and natural resources like never before. Somehow, we have been pushed towards global consumerism that promotes consumption in excess of one's needs. As a consequence, the carbon footprint has gone up alarmingly. Mention may be made that the average carbon footprint of a person in America is about 16 tons! No surprise that species are becoming extinct 100 times faster than they would without human impact. The perturbation of nature can only bring nothing but tragedies. Unfortunately, most of us have preferred to remain ignorant about this. Conservation and management measures taken are far from even being satisfactory. The time to stop this menace is running out of our hands very fast.

These leads to social and ethical questions of what we are supposed to do? Well, the very least we can do is change our vision towards nature. We are born out of dust and unto dust, we will return, however, even a little empathy in us will improve the living condition for all life forms on the planet. Let us join our hands for a green, clean tomorrow where there will be enough for everyone. Wildlife Information and Nature Guide Society (WINGS) is doing an excellent job in this regard. The selfless activities of the volunteers are really praiseworthy. Support from different parts of society will motivate the young minds of WINGS to function at a larger scale and benefit all.

Dr. Utpal Singha Roy Head, Dept. of Zoology P. R. Thakur Govt. College & Member, WINGS

#### From the President's Desk

At the backdrop of human-induced climate change becoming a visible phenomenon through frequent floods, cyclones, droughts, intense heat waves, the very survival of life in this Planet Earth is under severe threat. We are very much into a Mass Extinction event.

In the midst of such a critical situation, every inch of effort towards conservation of flora, fauna and our earth is nothing but a last minute effort to save US. And as a result, while documenting the biodiversity around us is of immense importance to plan the strategy of conservation, the ground level outreach for the purpose of awareness is equally vital too.

As such, braving the pandemic, we have initiated newer avenues to conserve our biodiversity and the few acres of planet around us. We must accelerate our race against time to save our environment and earth from the clutches of deadly greed of human capital.

Subhajit Roy President

# Dream of a Nature-Lover and Enthusiast Regarding 'WINGS'

'Civilization costs lives. The human society is constantly paying off the costs of its unimaginable technological growth, outstanding lifestyles and cultural enrichment not only in a monetary way, but rather in a more subtle and undetectable way the effect of which we may be knowing but constantly ignoring as we are not facing any immediate effect as in most of the cases. The concept of wildlife and its conservation is something the most unimportant, irrelevant to the common people of a poor third world country.

'Wings' is the brainchild of all well-wishers of this nature and natural resources. The small steps that are taken today, as we can definitely expect, would reflect in the change in perspectives of at least few of our relatives, friends or other members of our society. For this to achieve we must make a proper annual plan of action and agenda of each program. Preparing a trimester report of all the activities would help us to track our own progress, evaluate and make future strategies and more importantly to get better funding.

Conservation of wild life is certainly a much more challenging job than it seems to be. Increasing unnoticed extinction of more and more species, calls for urgent taxonomic researches.

Conservation of an entire community or ecosystem is much more challenging than targeting a particular species. Identifying a local 'keystone'-type species might help in the process of conservation of a landscape. Otherwise, initial focusing on the selection of a particular ecological community or system, known as 'coarse-filter' target could be an alternate approach to start with our mission.

Documentation and time-lapse comparison of species abundance of a defined geographical location is utmost required to find out the most sensitive component of the ecosystem. Then we may head towards identifying the underlying reasons of increase or decrease in numbers of members. Misconceptions and poaching have greatly affected the population dynamics of pangolins, porcupines, water monitor lizard and many others.

Integrity and harmony of an ecosystem is maintained when all of its biotic and abiotic factors are in a healthy state. This indicates the necessity of quality control of environmental factors as well deterioration of which is predominantly due to anthropogenic interference. To name a few, the injudicious use and polluting of the wetland ecosystem for household or industrial purposes, hi-mast lamps near the well-diversified bird habitats etc. could be recognized. Therefore, achievement of a wholesome success is possible only when importance of conserving the environmental factors is addressed through campaigning.

Another important domain of conservation should be the concept and awareness of sustainable use of natural resources. Inconsiderate exploitation of resources would lead to a serious imbalance that would affect all the consumers including human being. Therefore, addressing these issues in the awareness campaigns should be there in the agenda.

People awareness program may also include arranging entertaining documentary video shows, quiz competitions etc. in schools targeting the young generation as deep impressions easily created in the young minds.

Anwesha Bandyopadhyay Member, WINGS

#### **Biodiversity of West Bengal (Web Portal)**



Biodiversity of West Bengal is a web application. Launched in 2019, it is the first-ever initiative to document the incredible biodiversity of West Bengal as a form of web database with audio, video, images, description with local name in different languages, common name, scientific name, IUCN status and WPA status. In addition, seasonal and spatial map of occurrence of different species based on data submitted is also available. There is no such web database in West Bengal which documents all kinds of flora and fauna into a single portal. This database will make the identification of species easier and also enhance the citizen science. People from any part of West Bengal can easily contribute audio, video and images of wildlife around them in the public portal of Biodiversity of West Bengal. Data are also collected from various Facebook groups and websites by taking concerned permission by different admins. In this way, we can know the

distribution of each and every species in any corner of West Bengal. Many people understand the importance of this documentation and registered themself in this platform and started contributing their records. As a result, this database is populated with the records of 2834 species of West Bengal including some of very precious and unique records. At present this web database has 14064 images, 99 videos and 332 audios. There are 1,20,847 unique viewers from different parts of the world who are accessing this website. The website and all of its observations are citable and can be used for research.

#### **Highlights**

- Name of the project: Biodiversity of West Bengal
- URL: <a href="https://bdwb.wildwingsindia.in">https://bdwb.wildwingsindia.in</a>
- Purpose: To build a platform to document incredible biodiversity of West Bengal in a website.
- Features: Image, Audio, Video, Map, Threatened status, vernacular name, search options, local name search, news feed, taxonomy, can conduct contest and quizzes, checklist upload system, mobile friendly, nice admin and user interface.
- Future perspective: Building collaboration, building description field.

#### **Overall Statistics**

Category	Number of new	
	contributions	
Images	1734	
Audio	4	
Video	18	
Total	1756	

# **Images**

Name	Number of images uploaded
Mr. Surajit Bhadra Roy	179
Mr. Subhajit Roy	137
Dr. Sagar Adhurya	92

#### Audio

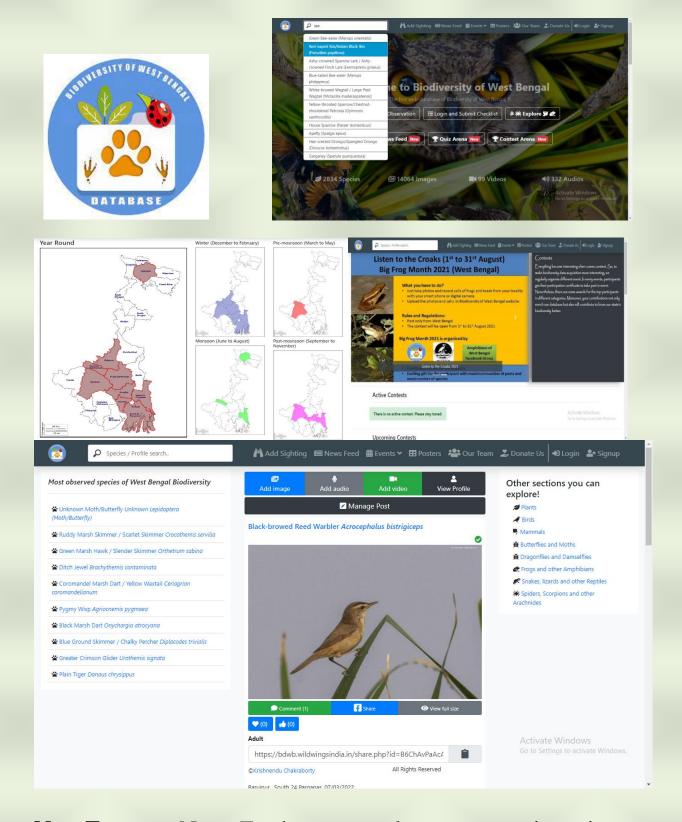
Name	Number of audios uploaded
Dr. Sagar Adhurya	3
Mr. Saikat Adhurya	1

### Video

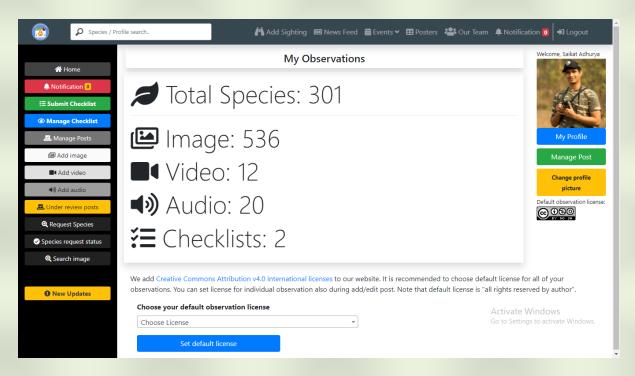
Name	Number of videos uploaded
Mr. Kaustav Khan	18

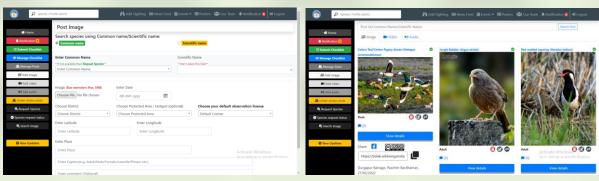
#### **Admins**

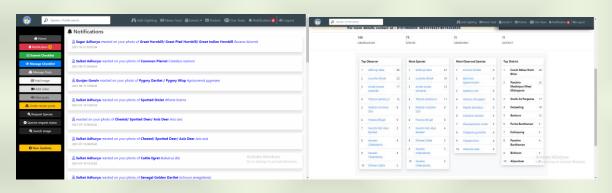
Category	Admins
Amphibia	Mr. Debayan Gayen
Arachnida (Spider, Mites and	Mr. Subhajit Roy
Scorpions)	Mr. Arindam Bhuin
	Mr. Ayan Mondal
Birds	Dr. Chiranjib Dutta
	Dr. Sagar Adhurya
	Mr. Sankha Misra
	Mr. Shuvendu Das
Butterfly	Mr. Arjan Basu Roy
	Mrs. Beas Chakraborty
	Mrs. Somapika Seal
	Mr. Subhajit Roy
Dragonfly (Anisoptera) and	Mr. Aaratrik Pal
Damselfly (Zygoptera)	Mr. Amar Kumar Nayak
	Mr. Prosenjit Dawn
	<ul> <li>Mr. Shuvendu Das</li> </ul>
	Mr. Subhajit Roy
General Invertebrates	Mr. Arindam Bhuin
	Mr. Subhajit Roy
Mammals	Mr. Debayan Gayen
Mollusc	Mr. Sk Sajan
Moth	Mr. Jahir Rayhan
	Mr. Subhajit Roy
Plants	Ms Chandrani Ghosh
	Mr. Pavel Ghosh
	<ul> <li>Ms. Poulami Sengupta</li> </ul>
Reptiles	Mr. Debayan Gayen

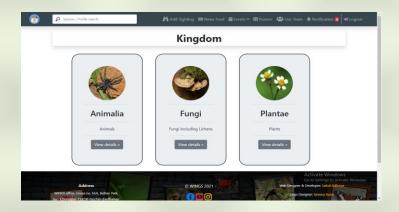


**New Feature:** News Feed, user can also access section wise news feed









#### **Events under Biodiversity of West Bengal (2021-22)**

- ➤ 2nd National Moth Week 2021
- ➤ Listen to the Croaks 2021
- ➤ Bengal Butterfly Week 2021

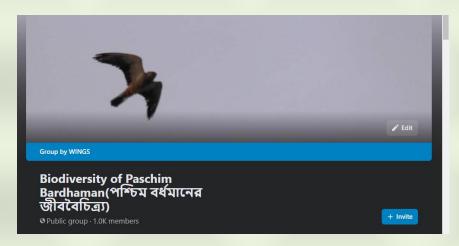
Saikat Adhurya Web Developer, WINGS



#### Citizen science with social media

#### Facebook groups

Biodiversity of Paschim Bardhaman



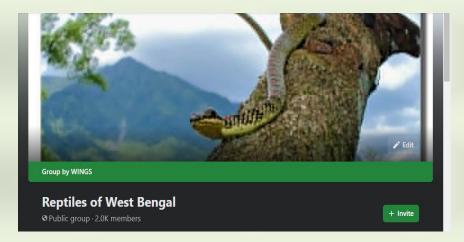
Originally created do document the birds of Durgapur with citizen science effort with the name 'Birding Durgapur' in 2013. Later the name of this group changed to the present name in 2017 with aim to document all kinds of living organisms found in Paschim Bardhaman district.

#### Amphibians of West Bengal



Launched recently for the documentation of amphibians of West Bengal.

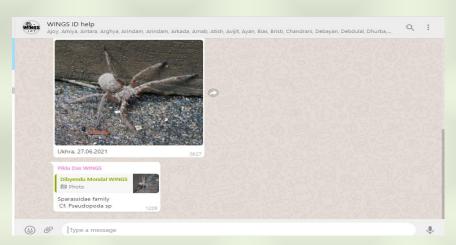
#### Reptiles of West Bengal



Launched very recently for the documentation of reptiles of West Bengal.

#### WhatpsApp Group

#### WINGS ID help



This group is dedicated to identification of different flora and fauna with the limited expertise of different group members.

# EVENTS ORGANISED BY WINGS DURING

**2021-22 SESSION** 

# OFFLINE EVENTS



#### **Winter Waterbird Census**

- Occasion: World Wetland Day
- Collaborator: West Bengal Forest Department and Birdwatchers' Society
- Date: 21 January 2022 to 6 February 2022
- Wetland Surveyed: 8
- Names of the Wetland/Waterbody Covered: Durgapur Barrage, Suko Pond, Chittaranjan Lakes, Burnpur IISCO pond, Bakreswar Reservoir, Tilpara Barrage, Ballavpur WLS lakes
- Survey team: Dr. Sagar Adhurya, Mr. Subhajit Roy, Mr. Debayan Gayen, Mr. Saikat Adhurya, Mr. Sankha Misra, Mr. Subhadeep Saha, Mr. Satyajit Mandal, Mr. Ajoy Kumar Dawn, Mr. Nirjhar Banerjee, Dr. Pushan Chakraborty
- Census report of Paschim Bardhaman district:

Name of the	Maithon Dam,	Durgapur	IISCO Ash Pond,	Chittara	Sukho
species	Kalipathar	Barrage	Burnpur	njan	Pond
Bar-Headed Goose	22	0	0	0	0
Lesser Whistling	0	96	0	1150	50
Duck					
Eurasian Wigeon	0	0	0	7	0
Gadwall	0	0	42	150	20
Northern Pintail	0	0	0	12	0
Red-Crested	58	0	41	55	100
Pochard					
Common Pochard	0	0	0	30	0
Tufted Duck	68	0	0	14	0
Ruddy Shelduck	0	0	0	6	0
Green-Winged Teal	0	0	0	0	2
Ferruginous	0	0	0	0	5
Cotton Pygmy-	0	12	0	7	0
Goose					
Great-Crested	0	0	0	0	0
Grebe					
Little Grebe	0	0	3	5	10
Great Crested	15	0	0	5	0

Grebe					
Eurasian Coot	0	0	0	22	0
Grey-Headed	0	6	0	45	4
Swamphen				13	7
White-Breasted	0	2	0	3	0
Waterhen					
Pheasant-Tailed	0	1	0	2	0
Jacana					
Bronze-Winged	0	5	3	16	0
Jacana					
Eurasian Moorhen	0	0	0	22	0
Grey-Headed	0	0	0	10	0
Lapwing					
Little Cormorant	20	70	6	40	10
Great Cormorant	0	0	0	15	0
Gray Heron	0	0	0	5	14
Purple Heron	0	1	0	1	0
Great Egret	0	0	0	1	0
Intermediate Egret	0	7	0	2	0
Little Egret	5	17	0	3	0
Indian Pond Heron	0	65	2	7	1
Common	2	1	0	0	0
Kingfisher					
White-Throated	1	8	1	3	0
Kingfisher					
Stork-Billed	0	0	1	2	0
Kingfisher	-			_	
Pied Kingfisher	0	3	0	0	0
Asian Openbill	0	1	0	16	0
Black-Winged Stilt	0	0	0	5	0
Common	1	9	0	0	0
Sandpiper		_			
Green Sandpiper	0	1	0	1	0
Black-Headed Ibis	0	0	0	5	0
Kentish Plover	0	35	0	0	0
Little Ringed Plover	0	15	0	0	0
Small Pratincole	0	1550	0	0	0
Temminck's Stint	0	28	0	0	0
Osprey	0	2	0	0	0
Sand Lark	0	26	0	0	0
Bank Myna	0	27	0	0	0
White-Browed	1	6	0	0	0
Wagtail					
Gray Wagtail	0	0	1	0	0
Gray Throated	0	67	0	0	0
Martin					
Rosy Pipit	0	1	0	0	0

Striated Babbler	0	23	0	0	0
Total	193	2085	100	1667	216

# • Census report of Birbhum district:

Name of the species	Ballavpur Wildlife Sanctuary	Bakreswar Dam	Tilpara Barrage
Bar-Headed Goose	27	540	0
Lesser Whistling Duck	11900	1516	2560
Graylag Goose	220	0	0
Knob-Billed Duck	1	1	0
Eurasian Wigeon	10	65	0
Gadwall	25	240	20
Northern Pintail	1550	74	0
Red-Crested Pochard	0	311	350
Common Pochard	0	2	112
Tufted Duck	0	150	0
Ruddy Shelduck	0	35	0
Garganey	270	300	0
Northern Shoveler	12	34	0
Green-Winged Teal	255	156	0
Baikal Teal	1	0	0
Ferruginous Duck	22	55	0
Falcated Duck	0	2	0
Cotton Pygmy-Goose	5	704	35
Great-Crested Grebe	0	53	0
Little Grebe	0	35	2
Eurasian Coot	3	550	6
Brown-Headed Gull	0	1	0
Grey-Headed Swamphen	50	60	14
White-Breasted Waterhen	3	2	5
Pheasant-Tailed Jacana	2	8	12
Bronze-Winged Jacana	20	4	12
Eurasian Moorhen	12	8	12
Grey-Headed Lapwing	60	40	0
Red-Wattled Lapwing	0	7	0
Snipe	0	2	0
Little Cormorant	0	44	24
Indian Cormorant	0	0	18
Great Cormorant	19	10	93
Oriental Darter	5	0	0
Gray Heron	19	0	0
Purple Heron	1	0	0
Great Egret	1	1	0
Intermediate Egret	20	1	0
Little Egret	2	0	9

Indian Pond Heron	2	10	0
Common Kingfisher	1	1	1
White-Throated Kingfisher	3	2	1
Stork-Billed Kingfisher	0	0	1
Asian Openbill	0	1	0
Common Sandpiper	0	1	1
Greater Spotted Eagle	2	1	0
Eurasian Marsh Harrier	0	2	0
White-Browed Wagtail	0	1	0
Total	14523	5030	3288

#### Dr. Sagar Adhurya Vice President, WINGS



# 6<sup>th</sup> Campus Bird Count 2021

Unlike previous event, Campus Bird Count is one of the old events of our society, started before our registration. It was started first at Kendriya Vidyalaya, CRPF, Durgapur-14 on 2015.

Since, 2017, we are continually hosting Campus Bird Count at Durgapur Government College. Campus Bird Count is also a nationwide sub-event of the global event Great Backyard Bird Count hosted by Birdcount India. Details about the Campus Bird Count be found can https://birdcount.in/event/cbc2021/. The motto of this event was same as previous event, i.e. to motivate college students about birding, to tell them regarding the use of field guide, field equipment, how to identify bird, where to look for which species etc.

On 21<sup>st</sup> February 2022, the event was conducted at Durgapur Government College with 11 participants. Few of them are experienced and 4 were completely new. Participants observed a total no of 55 bird species which is better than previous year; with effort of 2hrs 44mins, we covered a distance of 4.81km. The checklist can be found at <a href="https://ebird.org/india/checklist/S103322710">https://ebird.org/india/checklist/S103322710</a>. We got less no

of participants in compare with previous year's record due to covid-19 outbreak. The main highlights were Banded Bay Cuckoo which was new for college campus; Black Naped Oriole, Green Crowned Warbler and Verditer Flycatcher too.

• Place: Durgapur Government College

• Date: 21.02.2022

• Species observed: 55

• No. of participants: 11

#### **Participants:**

Dr. Sagar Adhurya,

Mr. Arkajyoti Mukherjee,

Dr. Rajib Biswas,

Dr. Moitreyee Chakraborty,

Dr. Tapajit Bhattacharya,

Ms. Sanchari Sarkar,

Mr. Debayan Gayan,

Mr. Rohit Shaw,

Mr. Subhradeep Chakraborty,

Ms. Snigdha Mukherjee and

Mr. Asesh Ojha

# 8<sup>th</sup> Durgapur Barrage Bird Walk

Durgapur Barrage Bird Walk is oldest event of our organisation. Its history started long back on 2015. The event is hosted on the occasion of a global event namely Great (details Backyard Bird Count can be found https://gbbc.birdcount.org). Since 2015, the event organised every year on the 3rd Sunday of February. The main focus of this event is to promote birdwatching and bird count. It also facilitates us in long-term avian diversity monitoring. Since its birth, it is an open-to-all event. Anybody can join us to learn about birding, bird count method, bird identification and also, they can share their own experience with us. After birding the participants have to upload their checklist to eBird via either eBird app or GBBC portal.

This year this event was organised on 20<sup>th</sup> February 2022. We have recorded 2211 individuals belonging to 81 species during this year's GBBC; with the time 3hr 8mins, and we covered a distance of 7.88km. The checklist can be found at <a href="https://ebird.org/india/checklist/S103146136">https://ebird.org/india/checklist/S103146136</a>. We had 8 participants of which 3 were old and 5 were completely

new. Due to the pandemic we got very small number of participants in compare with that of the previous year.

• Place: Durgapur Barrage

• Date: 20.02.2022

• Species observed: 81

• No. of participants: 8

#### **Participants:**

Dr. Sagar Adhurya,

Mr. Saikat Adhurya,

Mr. Nirjhar Banerjee,

Mr. Sibananda Bhanja,

Mrs. Basabi Bhanja,

Mr. L.K. Pramanick,

Mr. Arindam Mallick and

Mr. Suvodeep Singha Roy

Dibyendu Kumar Mondal Executive Member, WINGS

#### Life around Us

Nature never fails to appear as a colourful movie with unpredicted plot twists and unexplored treasure of facts. Though, it has been in its brightest forms for the kids who are unaccustomed to environmental hardships. They are curious, enthusiastic and being a part of Durgapur WINGS (Wildlife Information and Nature Guide Society), we are consistently associated with initiatives that can inculcate the feeling of easy and known belongingness amongst young learners. And doing so, through awareness campaigns in multiple schools and public events, the collaborative project - "Life around Us" rose up.

This advent is a joint approach with Asansol-based trust-'The VOICE', where we aimed to interact with school-goers at a basic level of conscious understanding to make them look forward in finding ways to restore environmental peace. We also aided the thought with an easy questionnaire for the target audience, enabling them to express their knowledge on such global issues and be well-acquainted. Students were found to be surprisingly aware enough, sharing their personal experiences regarding nature and how they took tiny steps in correcting misconduct. We were so contented to see that the active involvement of teachers and parents too, has really shown positive progress.

Our team has worked on campaigning to schools in and around Asansol, sequentially, at Gourandi R.K.S.(H.S.) Institution, Jamgram High School, St. Christopher's Mission School, Fair Education Point School, and not to forget our immense gratitude towards The VOICE, Asansol for providing us with a wide platform. We are stepping up on our responsibility and looking for such plan of action in higher educational institutions like colleges and universities over an extensive range.

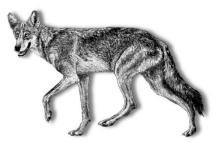
From March onwards, we also tried to reach citizens at public places to aware them about carnivores (wolf, jackal, hyena etc.) found in this region.

Rajasi Roy Member, WINGS









নেকড়ে/হুড়াল (Wolf)



খেঁকশিয়াল (Bengal Fox)

- 0 0 0 0 0
- আমরা আপনাদের আশেপাশের বন-জঙ্গলে থাকি
- আমাদের বিরক্ত না করলে আমরা কারোর কোনোও ক্ষতি করিনা
- জীব-জন্তুর মৃতদেহ খেয়ে পরিবেশকে পরিষ্কার রাখতে সাহায্য করি

# আমাদের একটু বাঁচতে দিন দয়া করে।

মনে রাখবেন, বন্যজীব মারা, মাংস খাওয়া আইনত দণ্ডনীয় অপরাধ, এতে জেল বা জরিমানা হতে পারে।

কোথাও অজানা বন্যজীব বা তাদের পায়ের ছাপ দেখতে পেলে, অথবা অজানা জন্তুর ডাক শোনা গেলে অযথা আতঙ্কিত না হয়ে নিম্ন লিখিত নাম্বারে ফোন করুনঃ-

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- +91 8170096318 (বন দপ্তর দুর্গাপুর)
- +91 9836185176 (বন দপ্তর আসানসোল)
- +91 9732287739 (বন দপ্তর লাউদোহা)



আধবাঘা (Hyena)



শিয়াল (Golden Jackal)

Drawing by: Supratim Laha Poster by: Saikat Adhurya

# GALLERY





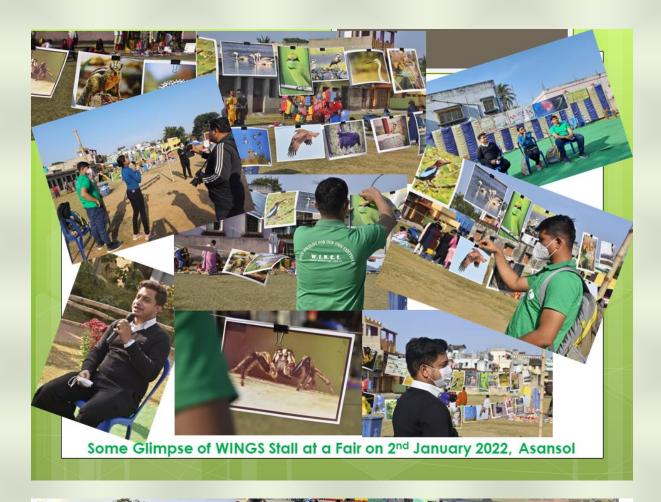


Some Glimpses of Durgapur Govt. College Campus Bird Count 2022



Some Glimpses of Great Backyard Bird Count 2022 at Durgapur Barrage







# ONLINE EVENTS

#### **National Moth Week**

National Moth Week (NMW) is a worldwide citizen science project which celebrates the beauty, lifecycle and habitats of moths. Moth-ers are encouraged to learn about and document moths, which are amazingly diverse, colourful (and dull at times) and live in almost all possible niches. NMW is celebrated worldwide in the last full week of July. NMW India: 2021 was thus celebrated between 17th and 25th July 2021. As part of encouraging the study of moths, we had organized various programs to celebrate the week.

#### 2nd National Moth Week: West Bengal

We launched this state-wide citizen science-based contest of documenting moths since 2020, with a motto of encouraging naturalists to documents the moths, which though diverse and abundant around us, often colourful too, but are very less documented due to the dearth of knowledge and interest.

#### **Date: 17th to 25th July 2021**

34 observers submitted 439 observations of around 200 species from 19 of the 23 districts of West Bengal.

#### Webinars on Moths

Mr. Sanjay Sondhi, a distinguished author of many books inaugurated the NMW 2021 schedule of ours through the first of the series of webinars (total 5 webinars) on 15th July 2021.

<sup>\*</sup> The webinars are listed in the table on Page 49

## **COMMON MOTHS OF WEST BENGAL**

A derivative of the citizen science project

Biodiversity of West Bengal (https://bdwb.wildwingsindia.in)



#### **Results:**

Observation	Species	Observers	Districts
439	152	34	19
Top Observers	<b>Most Species</b>	Most observed sp.	<b>Top districts</b>
Trisha Ganguly (67)	Suvradeep Mandal (47)	Amata cyssea (12)	Paschim Bardhaman (83)

#### Poster:

Since identification of moths is not an easy task, and naturalists are awfully short of relevant popular texts for the purpose, a poster titled 'Common Moths of West Bengal' containing photos and identities of 60 common moths was published at the eve of the NMW on 16th night.

Subhajit Roy President, WINGS

## Big Frog Month 2021 West Bengal

The 1<sup>st</sup> ever Big Frog Month 2021 West Bengal was organised by WINGS under "Amphibians of West Bengal Citizen Science Project" in the month of August 2021 (1<sup>st</sup> to 31<sup>st</sup> August) to create awareness among the local people about these beautiful and least studied creatures. In the Big Frog Month initiative, we had different programs- "Listen to the Croaks" initiative, webinars on amphibians and a quiz competition titled "Our Croaking Neighbours".

#### **Listen to the Croaks:**

Amphibians are one of the least studied taxa in West Bengal. To know more about them and to engage citizens to document these beautiful creatures, Durgapur Wildlife Information and Nature Guide Society (WINGS) and Amphibians of West Bengal Facebook group had launched an initiative named "Listen to the Croaks" for the second time.

#### Date: 1st to 31st August 2021

22 observers from 14 districts of the state submitted 237 observations of 22 species.

#### **Results:**

Observation	Species	Observers	Districts
236	25	21	13
Тор	Most	Most observed sp.	Тор
Observers	Species		districts
Debdulal	Debayan	Fejervarya/Minervarya	Paschim
Banerjee	Gayen	sp. (47)	Bardhaman
(73)	(15)		(166)

#### Webinar on amphibians:

During the Big Frog Month 2021 West Bengal, Wildlife Information and Nature Guide Society (WINGS) had organised 5 webinars from 1<sup>st</sup> to 31<sup>st</sup> August 2021 mainly to make people aware about the amphibians and learn something by utilising their time. The webinar sessions are

#### **State Level Online Quiz Competition:**

A State level online quiz competition was organised on the occasion of Big Frog Month 2021 jointly by Internal Quality Assurance Cell (IQAC) and P.G. Department of Conservation

Biology, Durgapur Government College and Wildlife Information & Nature Guide Society (WINGS) to create awareness among the students regarding the amphibians.

**Title:** Our Croaking Neighbours

**Topic:** All about Indian amphibians

**Date:** 28-29 August 2021

56 participants from different parts of West Bengal took part in this competition. After 3 rounds, 3 winners were selected.

#### **Results:**

1st: Subhradeep Chakravarty (PG Department of Conservation Biology, Durgapur Government College)

2<sup>nd</sup>: Sarmistha Chakraborty (Barasat Government College)

3<sup>rd</sup>: Ritwik Nandi (Bolpur College)



#### AMPHIBIANS OF WEST BENGAL

UNDER AMPHIBIANS OF WEST BENGAL CITIZEN SCIENCE PROJECT an initiative of



Durgapur Wildlife Information and Nature Guide Society

Website: www.wildwingsindla.in

Facebook: https://www.facebook.com/groups/amphibiawb



Megophrys monticola- Prajjwal Ray Epicrium sikkimensis- Subhajit Roy Tylototriton himalayanus-Dr. Kaushik Deuti Forest streams 🕌 Mountain & hills

Designed by: Debayan Gayen & Sagar Adhurya © Durgapur Wildlife Information and Nature Guide Society 2021





Debayan Gayen Member, WINGS

## **Big Butterfly Month**

Big Butterfly Month (BBM) is a festival of butterfly watching with the motto of organising and encouraging citizen science initiatives to study the winged beauties and assess the health of the ecosystem around us. Big Butterfly Month: India 2021 was celebrated throughout the month of September. As part of encouraging the study of butterflies by citizen scientists, we had organized different programmes to celebrate the month.

#### **Webinars on Butterflies:**

A series of webinars by distinguished experts from various parts of our subcontinent were conducted to spread the message of awareness about these winged beauties.

\* The webinars are listed in the table on Page 49

#### **Bengal Butterfly Week:**

In addition, we launched a citizen science-based contest named Bengal Butterfly Week (BBW) 2021 in the last week of September (24th to 30th) to engage naturalists to document the butterflies around them in our Biodiversity of West Bengal website.

#### Date: 24th to 30th September

11 observers submitted 146 observations of 74 species across 11 districts.

## **Results:**

Observation	Species	Observers	Districts	
146	75	11	11	
Top Observers	Most Species	Most observed sp.	Top districts	
Abhirup	Abhirup	Eurema hecabe	Cooch	
Saha (60)	Saha (41)	Danaus chrysippus Leptosia nina Elymnias hypermnestra (6)	Behar (49)	

Subhajit Roy President, WINGS



## **Awareness on Pangolin**

On the occasion of World Pangolin Day we did an digital awareness campaign via social media on 19 February 2022.





Indian Pangolin

ভারতে দুই প্রজাতির প্যাঙ্গোলিন বা বনরুই পাওয়া যায়

প্যাঙ্গোলিন বা বনরুই বিশ্বের সবচেয়ে বেশি পাচার হওয়া স্তন্যপায়ী প্রাণী



## প্যাঙ্গোলিন চোরাশিকার বন্ধ করুন প্যাঙ্গোলিন সংরক্ষণ করুন !!!

এগুলি CITES-এর পরিশিষ্ট। এবং ভারতের বন্যপ্রাণী সুরক্ষা আইন, 1972-এর তফসিল।-এ অন্তর্ভুক্ত করা হয়েছে

ভারতের বন্যপ্রাণী সুরক্ষা আইন, 1972-এর অধীনে প্যাঙ্গোলিন বা বনরুই ধরা, শিকার বা ব্যবসা একটি শাস্তিযোগ্য অপরাধ।

> Join us: www.wildwingsindia.in bdwb.wildwingsindia.in



Chinese Pangolin



# WEBINARS ORGANISED BY WINGS

Date	Speaker	Title	Event
23 May 2021	Mr. Puskar Basu	Yeti - from Myth to Reality	International Day for Biological Diversity
07 July 2021	Mr. Debdulal Banerjee	Afforestation or Reforestation: various effects	Van Mahotsav Week
15 July 2021	Mr. Sanjay Sondhi	NMW: Citizen Science & basics of mothing	National Moth Week
18 July 2021	Muhammad Jahir Rayhan	Family Level Identification of Moths	National Moth Week
21 July 2021	Dr. Abesh Kumar Sanyal	Moths of Himalaya	National Moth Week
24 July 2021	Mr. Saumen Pal	Life cycle and Breeding of Moths	National Moth Week
8 August 2021	Dr. Gururaja K.V.	Croak, Croak, Croak-What do the frogs say?	Big Frog Month: West Bengal
14 August 2021	Dr. Kaushik Deuti	Amphibians of Darjeeling Hills	Big Frog Month: West Bengal
15 August 2021	Dr. Jayaditya Purakayastha	Amphibians of North-East India	Big Frog Month: West Bengal
22 August 2021	Mr. Debayan Gayen	Frog Watching and Citizen Science	Big Frog Month: West Bengal
30 August 2021	Dr. Deyatima Ghosh	I am on a see food diet	Big Frog Month: West Bengal
10 September 2021	Mr. Haneesh K.M.	Planning & Management of Butterfly Gardens	Big Butterfly Month
12 September 2021	Muhammad Akram Awan & Taslima Sheikh	Butterfly diversity of Western Himalaya & beyond	Big Butterfly Month
19 September 2021	Muhammad Jahir Rayhan	Evolution of organs & mimicry strategy of butterflies	Big Butterfly Month
25 September 2021	Mr. Ashok Sengupta	Solving the puzzles of Blues identification	Big Butterfly Month
30 September 2021	Dr. Kalesh Sadasivan	Beginners' Guide to the Identification of Skippers	Big Butterfly Month

## RESEARCH

A major job of the WINGS is to promote small-scale small-funded research. We have the following research wings to organize the research works:

- Mammalia-Herpetofauna Research Wing
- Botanical Research Wing
- Entomological Research Wing
- Avian Research Wing

#### Goal of the research wings are:

- To perform continuous research on the respective field
- To regularly publish research outcome in scientific journal and magazines
- To perform scientific project work such as PBR, WMP, Biodiversity assessment

#### Funded projects completed during FY 2021-22:

- "Preparation of Wildlife Management Plan of Raniganj Coalfield" funded by Eastern Coalfield Limited (A subsidiary of Coal India) vide work order ECL/ENV/20/228.
- "Preparation of Wildlife Management Plan" funded by Steel Authority of India Limited vide work order 4515012373

#### **Research Publications during FY 2021-22**

- 1. D. Gayen, S. Adhurya, S. Misra, S. Adhurya, K. Pan, S. Saha & S. Mandal. 2021. Rediscovery of Crested Goshawk from southern Bengal, India. *Zoo's Print* 36(5): 42-44.
- 2. D. Gayen, S. Saha & S. Adhurya. 2021. Report of partially leucistic Lesser Whistling-Duck from West Bengal, India. *Zoo's Print* 36(6): 31-33.
- 3. S. Adhurya, S. Misra, S. Kayal & K. Pan. 2021. First record of Bristled Grassbird from Paschim Bardhaman District, West Bengal. *Zoo's Print* 36(6): 37-40.
- 4. D. Gayen, S. Sarkar & M. Chakrabarty. 2021. The Greater White-fronted Goose *Anser albifrons* in West Bengal. *Indian Birds* 17(3): 93-94.
- 5. S. Roy, A. Singhamahapatra & S. Dutta. 2021. On the distribution of *Vagrans egista* (Cramer, 1780) in West Bengal, India. *Revista Chilena De Entomología* 47(3): 513-519.
- 6. S. Roy, A. Singhamahapatra & T. Sarkar. 2021. The Ruby-cheeked Sunbird *Chalcoparia singalensis* in southern West Bengal, and its status in the Ganga–Brahmaputra Delta. *Indian Birds* 17(5): 155-156.
- 7. D. Gayen, P. Chatterjee, T. Bhattacharya. 2021. A survey on the mammalian species from a peri-urban coal mining plateau of Eastern India. *Journal of Animal Diversity* 3(3): 56-71.
- S. Adhurya, D. Gayen, S. Das & S. Ray. 2022. Diversity and population trends of waterbirds at Lake-2, the Ballavpur Wildlife Sanctuary, West Bengal State, India. *Journal of Animal Diversity* 4(1).

# **WINGS ECOTOURISM**



We have an ecotourism WINGS to promote *in situ* experience within nature. In 2021-22, we have completed four tours in Sundarbans. We encourage group tours like excursions to pour a unique wild flavour with our expertise, field guides and equipment.





# ELECTED GOVERNING BODY FOR FY 2022-23

- 1. President: Dr. Sagar Adhurya, Independent Researcher
- 2. Vice President: Subhajit Roy, Faculty of Information Technology, MAKAUT
- 3. Secretary: Arkajyoti Mukherjee, *UGC-Senior Research* Fellow, Jadavpur University
- 4. Jt. Secretary: Rajasi Roy, M.Sc. in Zoology, University of Burdwan
- 5. Treasurer: Subhadeep Saha, Social worker
- 6. Asst. Treasurer: Saikat Adhurya, M.E. in Computer Science and Engineering, Thappar Institute of University and Technology, Patiala
- 7. Asst Treasurer: Manisha Datta, *M.Sc. in Zoology, University of Calcutta*
- 8. Executive Member: Rahul Mallick, CSIR-Junior Research Fellow, Indian Institute of Chemical Biology
- 9. Executive Member: Dibyendu Mondal, *Post-graduate Zoology student, University of Calcutta*

## **OUR MEMBERS**

### (AS ON 7 JUNE 2022)

- 1. Ajoy Kumar Dawn
- 2. Amitava Dutta
- 3. Anangsha Barui
- 4. Antara Pal
- 5. Anwesha
  Bandyopadhyay
- 6. Arindam Bhuin
- 7. Arkajyoti Mukherjee
- 8. Arnab Das
- 9. Arpita Malakar
- 10. Atish Manna
- 11. Avik Mukherjee
- 12. Bidyut Das
- 13. Debayan Gayen
- 14. Dibyendu Mondal
- 15.Dr.Joyita Mukherjee
- 16. Kajori Mondal
- 17. Koushik Pan

- 18.Luna Tewary Adhurya
- 19. Manish Kumar Chattopadhyay
- 20. Manisha Datta
- 21.Dr. Moitreyee Chakraborty
- 22. Monindra Mahata
- 23. Nirjhar Banerjee
- 24. Pavel Ghosh
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- 26.Dr. Piyali Dutta
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- 28. Rahul Mallick
- 29. Rajasi Roy
- 30. Rajasree Bhowmick
- 31. Rohit Khatua
- 32. Rohit Sarkar
- 33.Dr. Roli Shukla Ray

- 34.Romit
  Bhattacharyya
- 35.Dr. Sagar Adhurya
- 36. Saikat Adhurya
- 37. Samim Hossain
- 38. Sankha Misra
- 39. Satyajit Mandal
- 40. Somapika Seal
- 41. Sourav Layek
- 42. Subhadeep Mukhuty
- 43. Subhadeep Saha
- 44. Subhajit Roy
- 45.Subhangi Bhadra
- 46. Subhradeep Chakravarty
- 47. Dr. Sudipta Das
- 48. Uma Dutta
- 49.Dr. Utpal Singha Roy



## **JOIN WINGS**

Our membership procedure is completely online. You can take the membership from this link:

https://wildwingsindia.in/wingsmembers/signup.php

or just scan the QR code

#### **Membership Plans:**

Category	3 Months	6 Months	12 Months
Earning member	300	550	1100
College/University Student (Upto Postgraduate)	90	165	330
School Student	NA	NA	20

The members should pay their membership fee, other fees to any of the options:

**For NEFT:** Account Number:0186101014834,

Branch Code: 0186,

Branch: Canara Bank, Durgapur Branch,

IFSC: CNRB0000186,

Account holder name: Durgapur W I N G S

**GPay** (**Google Pay**): 8101141561 **UPI**: subhadeepdurgapur95@oksbi

After payment kindly Whatsapp the proof to Saikat Adhurya, Assistant Treasurer at 9093222034

\*\*\*Kindly note that you will receive a receipt after making a payment with in 7 days. If not, mail us to wildwingsbengal@gmail.com\*\*\*



**Credit** 

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