



KATWA COLLEGE

(Affiliated to the University of Burdwan)

Principal's Office,

P.O.: Katwa, Dist.: Purba Bardhaman, West Bengal, PIN: 713130, India.

Mobile: +918101078393

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6.5 Internal Quality Assurance System

6.5.2 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented

2. Academic and Administrative Audit (AAA) and follow-up action taken

3. Collaborative quality initiatives with other institution(s)

4. Participation in NIRF and other recognized rankings

5. Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.

Table of Contents

Sl. No.	Content	Page No.
1	Environment and Green Audit Report	2-11
2	Biodiversity Registrar	12-94
3	International Seminar Certificates	95-101
4	Recruitment of Security Staffs	102

Signature of the IOAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

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Katwa College



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1. Environment and Green Audit Reports

The screenshot shows the website katwacollege.ac.in/green_audit.php. The header includes the college logo, name in Bengali (কাতোয়া কলেজ), and English (Katwa College), along with its establishment year (ESTD - 1948) and affiliations (GOVT AIDED * RECOGNISED UNDER 2F & 12B OF UGC, AFFILIATED TO THE UNIVERSITY OF BURDWAN). Navigation buttons include 'Visit B.Ed. Website', 'Student Login', 'NIRF', 'Collaboration MoU & Membership', 'Add on Course', 'UG Admission', and 'UGC'. A menu bar lists various sections like Home, Our College, Administration, Academic, NAAC, IQAC, Alumni, Publication, Admission, Activites, Department, Campus & Facilities, Library, Student's Desk, Gallery, Statutory Cell, Guardians Representative Cell, RTI, Feedback, Fire Safety, and Contact Us. The main content area displays a table of Green Audit Reports:

Green Audit Certificate 2020 - 2021	Click here
Green Audit Certificate 2021 - 2022	Click here
Green Audit Certificate 2022 - 2023	Click here
Green Audit Report 2020 - 2021	Click here
Green Audit Report 2021 - 2022	Click here
Green Audit Report 2022 - 2023	Click here

The footer shows system icons and the time 5:46 PM on 7/31/2024.

https://katwacollege.ac.in/green_audit.php

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SONAR BHARAT ENVIRONMENT & ECOLOGY (P) LIMITED

Registered Office: Flat No. 1A N368, Baishnabghata Patuli,
Kolkata - 700 094

Head Office: 35, Chittaranjan Avenue, 3rd Floor Kolkata - 700 012

Phone: (91-33) 2211 - 3034/0397, 033 4003 1179,

E-mail: sonarbharat2010@gmail.com

sonarbharat2017@gmail.com

Date: 30.09.2021

WORK COMPLETION REPORT

- Name of Work Project : Green Audit of KATWA COLLEGE
- Duration of Audit : 02.09.2021 to 03.09.2021
- Period of Audit : 2020-2021
- Sonar Bharat Environment & Ecology Pvt. Ltd. has conducted Green Audit in the campus of Katwa College, Dukbanglow Road, Katwa, Purba Bardhaman - 713 130.
- With the cooperation of faculty members and other staff audit has been successfully completed.

Subrata Desarkar

Subrata Desarkar
(Auditor)



Parimal Sarkar

Parimal Sarkar
(Director)

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[Signature]

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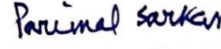
Date : 21.09.2021

WORK COMPLETION REPORT

- Name of Work Project : Environmental Monitoring of KATWA COLLEGE
- Duration of Audit : 07.09.2021 to 08.09.2021
- Period of Audit : 2020-2021
- Sonar Bharat Environment & Ecology Pvt. Ltd. has conducted Environmental Monitoring in the campus of Katwa College, Dukbanglow Road, Katwa, Purba Bardhaman – 713 130.
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E-mail : sonarbharat2010@gmail.com
sonarbharat2017@gmail.com

Date : 28.09.2021

WORK COMPLETION REPORT

- Name of Work Project : Energy Audit of KATWA COLLEGE
- Duration of Audit : 13.09.2021 to 14.09.2021
- Period of Audit : 2020-2021
- Sonar Bharat Environment & Ecology Pvt. Ltd. has conducted Energy Audit in the campus of Katwa College, Dukbanglow Road, Katwa, Purba Bardhaman - 713 130.
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Suvra Majumdar

Suvra Majumdar,
BEE-EA-5723, AEA-221
Chartered Engineer (India) - Electrical Engineering Div.

Sonar Bharat Environment & Ecology Pvt. Ltd.

Parimal Sarkar
Director

Parimal Sarkar
(Director)

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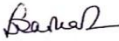
E-mail : sonarbharat2010@gmail.com

sonarbharat2017@gmail.com


Date : 08.08.2022

WORK COMPLETION REPORT

- Name of Work Project : Green Audit of KATWA COLLEGE
- Duration of Audit : 18.07.2022 to 19.07.2022
- Period of Audit : 2021-2022
- Sonar Bharat Environment & Ecology Pvt. Ltd. has conducted Green Audit in the campus of Katwa College, Dukbanglow Road, Katwa, Purba Bardhaman - 713 130.
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E-mail : sonarbharat2010@gmail.com

sonarbharat2017@gmail.com

Date : 28.07.2022

WORK COMPLETION REPORT

- Name of Work Project : Environmental Monitoring of KATWA COLLEGE
- Duration of Audit : 11.07.2022 to 12.07.2022
- Period of Audit : 2021-2022
- Sonar Bharat Environment & Ecology Pvt. Ltd. has conducted Environmental Monitoring in the campus of Katwa College, Dukbanglow Road, Katwa, Purba Bardhaman - 713 130.
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E-mail: sonarbharat2010@gmail.com

sonarbharat2017@gmail.com

Date : 26.07.2022

WORK COMPLETION REPORT

- Name of Work Project : Energy Audit of KATWA COLLEGE
- Duration of Audit : 06.07.2022 to 07.07.2022
- Period of Audit : 2021-2022
- Sonar Bharat Environment & Ecology Pvt. Ltd. has conducted Energy Audit in the campus of Katwa College, Dukbanglow Road, Katwa, Purba Bardhaman - 713 130.
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Suvra Majumdar

Suvra Majumdar
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Chartered Engineer (India) - Electrical Engineering Div.

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Phone : (91-33) 2211 - 3034/0397, 033 4003 1179,
E-mail : sonarbhara2010@gmail.com
sonarbhara2017@gmail.com


Date : 25.08.2023

WORK COMPLETION REPORT

- Name of Work Project : Green Audit of KATWA COLLEGE
- Duration of Audit : 26.07.2023 to 27.07.2023
- Period of Audit : 2022-2023
- Sonar Bharat Environment & Ecology Pvt. Ltd. has conducted Green Audit in the campus of Katwa College, Dukbanglow Road, Katwa, Purba Bardhaman - 713 130.
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Date : 07.08..2023

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- Name of Work Project : Environmental Monitoring of KATWA COLLEGE
- Duration of Audit : 26.07.2023 to 27.07.2023
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Date : 09.08.2023

WORK COMPLETION REPORT

- Name of Work Project : Energy Audit of KATWA COLLEGE
- Duration of Audit : 19.07.2023 to 20.07.2023
- Period of Audit : 2022-2023
- Sonar Bharat Environment & Ecology Pvt. Ltd. has conducted Energy Audit in the campus of Katwa College, Dukbanglow Road, Katwa, Purba Bardhaman – 713 130.
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Checklist of Zoological/animal fauna found within the Katwa College premise 2019-20

Type	Common Name	Scientific Name	Appearance	
Mammals	Modern Human	<i>Homo sapiens</i>	Very Large	
	Bengal sacred langur	<i>Semnopithecus entellus</i>	Moderate	
	Domestic Dog	<i>Canis familiaris</i>	Large	
	Domestic Cat	<i>Felis catus</i>	Few	
	Goat	<i>Capra hircus</i>	Large	
	Asian palm civet	<i>Paradoxurus hermaphroditus</i>	Rare	
	Small Indian Mongoose	<i>Urva auropunctata</i>	Rare	
	Indian Palm Squirrel	<i>Famambulus palmarum</i>	Few	
	Bengal Rat	<i>Bandicota bengalensis</i>	Few	
	House Mouse	<i>Mus musculus</i>	Few	
	Reptiles	Oriental Garden Lizard	<i>Calotes versicolor</i>	Few
		House Gecko	<i>Hemidactylus frenatus</i>	Large
		Indian Monitor	<i>Varanus bengalensis</i>	Rare
		Indian Cobra	<i>Naja naja</i>	Rare
Indian Rat Snake		<i>Ptyas mucosa</i>	Rare	
Asiatic Water Snake		<i>Fowlea piscator</i>	Rare	
Common Wolf Snake		<i>Lycodon capucinus</i>	Rare	
Asian Common Toad		<i>Duttaphrynus melanostictus</i>	Large	
Amphibians				
Birds	Common Myna	<i>Acridotheres tristis</i>	Large	
	Chestnut tailed starling	<i>Sturnia malabarica</i>	Few	
	Jungle Babbler	<i>Argya striata</i>	Few	
	Indian Pied Myna	<i>Gracupica contra</i>	Few	
	Red Vented Bulbul	<i>Pycnonotus cafer</i>	Few	
	Red Whiskered Bulbul	<i>Pycnonotus jocosus</i>	Few	
	Laughing Dove	<i>Spilopelia senegalensis</i>	Few	
	Common Pigeon	<i>Columba livia</i>	Large	
	Black Kite	<i>Milvus migrans</i>	Rare	
	Purple Sunbird	<i>Cinnyris asiaticus</i>	Rare	
	Purple Rumped Sunbird	<i>Leptocoma zeylonica</i>	Rare	
	Coppersmith Barbet	<i>Psilopogon haemacephalus</i>	Rare	
	Blue-Throated Barbet	<i>Psilopogon asiaticus</i>	Few	
	Indian Silverbill	<i>Euodice malabarica</i>	Rare	
	Great tit	<i>Parus major</i>	Rare	
	Black Drongo	<i>Dicrurus macrocoecus</i>	Few	
	Rufous treepie	<i>Dendrocitta vagabunda</i>	Rare	
	Sparrow	<i>Passer domesticus</i>	Large	
	Falvous Breasted Woodpecker	<i>Dedrocopos maceti</i>	Rare	
	House Swift	<i>Apus nipalensis</i>	Large	
	Asian Koel	<i>Eudynamis scolopaceus</i>	Few	
	Rose-ringed Parakeet	<i>Psittacula krameri</i>	Rare	
	Indian Robin	<i>Copsychus fulvicatus</i>	Rare	
	House Crow	<i>Corvus splendens</i>	Few	
	Black-Hooded Oriole	<i>Oriolus xanthornus</i>	Rare	
	Molluscs	Giant African Snail	<i>Achatina fulica</i>	Few
	Arthropoda	Mosquito	<i>Aedes aegypti</i>	Rare
			<i>Anopheles sp.</i>	Rare
			<i>Culex sp.</i>	Large
		Millipedes	<i>Julus sp.</i>	Few
		Centipedes	<i>Scolopendra sp.</i>	Rare
		Butterflies	Unable to Identify	Large

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	Dragon Flies	Unable to Identify	Large
	Damselflies	Unable to Identify	Few
	Honey Bee	<i>Apis sp.</i>	Few
	Cockroach	<i>Periplaneta sp.</i>	Large
	Indian Yellow Paper Wasp	<i>Polistes olivaceus</i>	Few
	Moths	Unable to Identify	Large
	House Fly	<i>Musca domestica</i>	Few
	Firefly	Unable to Identify	Few
	Fruit fly	<i>Drosophila melanogaster</i>	Few
	Beetles	Unable to Identify	Large
	Termite	Unable to Identify	Rare
	Grasshopper	Unable to Identify	Large
	Spider	Unable to Identify	Large
	Ants	Unable to Identify	Large
	Cricket	Unable to Identify	Few
Annelida	Earthworm	<i>Pheretima sp.</i>	Large

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	Domestic Cat	<i>Felis catus</i>	Few	
	Goat	<i>Capra hircus</i>	Large	
	Asian palm civet	<i>Paradoxurus hermaphroditus</i>	Rare	
	Small Indian Mongoose	<i>Urva auropunctata</i>	Rare	
	Indian Palm Squirrel	<i>Fanambulus palmarum</i>	Few	
	Bengal Rat	<i>Bandicota bengalensis</i>	Few	
	House Mouse	<i>Mus musculus</i>	Few	
	Reptiles	Oriental Garden Lizard	<i>Calotes versicolor</i>	Few
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	Indian Pied Myna	<i>Gracupica contra</i>	Few	
	Red Vented Bulbul	<i>Pycnonotus cafer</i>	Few	
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	Laughing Dove	<i>Spilopelia senegalensis</i>	Few	
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	Blue-Throated Barbet	<i>Psilopogon asiaticus</i>	Few	
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	Great tit	<i>Parus major</i>	Rare	
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	House Crow	<i>Corvus splendens</i>	Few	
	Black-Hooded Oriole	<i>Oriolus xanthornus</i>	Rare	
	Molluscs	Giant African Snail	<i>Achatina fulica</i>	Few
		Arthropoda	Mosquito	<i>Aedes aegypti</i>
	<i>Anopheles sp.</i>			Rare
	<i>Culex sp.</i>			Large
	Millipedes		<i>Julus sp.</i>	Few
	Centipedes		<i>Scelopendra sp.</i>	Rare
	Butterflies		Unable to Identify	Large

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Signature of the IOAC Coordinator

Coordinator
IQAC
Katwa College

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Signature of the Principal

Principal
Katwa College



KATWA COLLEGE

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॥ विद्यया विन्दतेऽमृतम् ॥

2020-2021

	Dragon Flies	Unable to Identify	Large
	Damselflies	Unable to Identify	Few
	Honey Bee	<i>Apis sp.</i>	Few
	Cockroach	<i>Periplaneta sp.</i>	Large
	Indian Yellow Paper Wasp	<i>Polistes olivaceus</i>	Few
	Moths	Unable to Identify	Large
	House Fly	<i>Musca domestica</i>	Few
	Firefly	Unable to Identify	Few
	Fruit fly	<i>Drosophila melanogaster</i>	Few
	Beetles	Unable to Identify	Large
	Termite	Unable to Identify	Rare
	Grasshopper	Unable to Identify	Large
	Spider	Unable to Identify	Large
	Ants	Unable to Identify	Large
	Cricket	Unable to Identify	Few
Annelida	Earthworm	<i>Pheretima sp.</i>	Large



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॥ विद्यया विन्दतेऽमृतम् ॥

Checklist of Zoological/animal fauna found within the Katwa College premise 2021-22

Type	Common Name	Scientific Name	Appearance	
Mammals	Modern Human	<i>Homo sapiens</i>	Very Large	
	Bengal sacred langur	<i>Semnopithecus entellus</i>	Moderate	
	Domestic Dog	<i>Canis familiaris</i>	Large	
	Domestic Cat	<i>Felis catus</i>	Few	
	Goat	<i>Capra hircus</i>	Large	
	Asian palm civet	<i>Paradoxurus hermaphroditus</i>	Rare	
	Small Indian Mongoose	<i>Urva auropunctata</i>	Rare	
	Indian Palm Squirrel	<i>Fanambulus palmarum</i>	Few	
	Bengal Rat	<i>Bandicota bengalensis</i>	Few	
	House Mouse	<i>Mus musculus</i>	Few	
	Reptiles	Oriental Garden Lizard	<i>Catotes versicolor</i>	Few
		House Gecko	<i>Hemidactylus frenatus</i>	Few
Indian Monitor		<i>Varanus bengalensis</i>	Rare	
Indian Cobra		<i>Naja naja</i>	Rare	
Indian Rat Snake		<i>Ptyas mucosa</i>	Rare	
Asiatic Water Snake		<i>Fowlea piscator</i>	Rare	
Common Wolf Snake		<i>Lycodon capucinus</i>	Rare	
Asian Common Toad		<i>Duttaphrynus melanostictus</i>	Large	
Amphibians				
Birds	Common Myna	<i>Acridotheres tristis</i>	Large	
	Chestnut tailed starling	<i>Sturnia malabarica</i>	Few	
	Jungle Babbler	<i>Argya striata</i>	Few	
	Indian Pied Myna	<i>Gracupica contra</i>	Few	
	Red Vented Bulbul	<i>Pycnonotus cafer</i>	Rare	
	Red Whiskered Bulbul	<i>Pycnonotus jocosus</i>	Few	
	Laughing Dove	<i>Spilopelia senegalensis</i>	Rare	
	Common Pigeon	<i>Columba livia</i>	Large	
	Black Kite	<i>Milvus migrans</i>	Rare	
	Purple Sunbird	<i>Cinnyris asiaticus</i>	Rare	
	Purple Rumped Sunbird	<i>Leptocoma zeylonica</i>	Rare	
	Coppersmith Barbet	<i>Psilopogon haemacephalus</i>	Rare	
	Blue-Throated Barbet	<i>Psilopogon asiaticus</i>	Rare	
	Indian Silverbill	<i>Euodice malabarica</i>	Rare	
	Great tit	<i>Parus major</i>	Rare	
	Black Drongo	<i>Dicrurus macrocecus</i>	Few	
	Rufous treepie	<i>Dendroclita vagabunda</i>	Rare	
	Sparrow	<i>Passer domesticus</i>	Large	
	Falvous Breasted Woodpecker	<i>Dedrocoptes maceti</i>	Rare	
	House Swift	<i>Apus nipalensis</i>	Large	
	Asian Koel	<i>Eudynamis scolopaceus</i>	Few	
	Rose-ringed Parakeet	<i>Psittacula krameri</i>	Rare	
	Indian Robin	<i>Copsychus fulvatus</i>	Rare	
	House Crow	<i>Corvus splendens</i>	Few	
	Black-Hooded Oriole	<i>Oriolus xanthornus</i>	Rare	
	Molluscs	Giant African Snail	<i>Achatina fulica</i>	Few
	Arthropoda	Mosquito	<i>Aedes aegypti</i>	Rare
			<i>Anopheles sp.</i>	Large
			<i>Culex sp.</i>	Large
		Millipedes	<i>Julus sp.</i>	Few
		Centipedes	<i>Scolopendra sp.</i>	Rare
		Butterflies	Unable to Identify	Large

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2021-2022

Dragon Flies	Unable to Identify	Large
Damsel Flies	Unable to Identify	Few
Honey Bee	<i>Apis sp.</i>	Few
Cockroach	<i>Periplaneta sp.</i>	Large
Indian Yellow Paper Wasp	<i>Polistes olivaceus</i>	Few
Moths	Unable to Identify	Large
House Fly	<i>Musca domestica</i>	Few
Firefly	Unable to Identify	Few
Fruit fly	<i>Drosophila melanogaster</i>	Few
Beetles	Unable to Identify	Large
Termite	Unable to Identify	Rare
Grasshopper	Unable to Identify	Large
Spider	Unable to Identify	Large
Ants	Unable to Identify	Large
Cricket	Unable to Identify	Few
Annelida	Earthworm	Large



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Checklist of Zoological/animal fauna found within the Katwa College premise 2022-23

Type	Common Name	Scientific Name	Appearance	
Mammals	Modern Human	<i>Homo sapiens</i>	Very Large	
	Bengal sacred langur	<i>Semnopithecus entellus</i>	Moderate	
	Domestic Dog	<i>Canis familiaris</i>	Large	
	Domestic Cat	<i>Felis catus</i>	Few	
	Goat	<i>Capra hircus</i>	Large	
	Asian palm civet	<i>Paradoxurus hermaphroditus</i>	Rare	
	Small Indian Mongoose	<i>Urva auropunctata</i>	Rare	
	Indian Palm Squirrel	<i>Fanambulus palmarum</i>	Few	
	Bengal Rat	<i>Bandicota bengalensis</i>	Few	
	House Mouse	<i>Mus musculus</i>	Few	
	Reptiles	Oriental Garden Lizard	<i>Calotes versicolor</i>	Few
		House Gecko	<i>Hemidactylus frenatus</i>	Few
		Indian Monitor	<i>Varanus bengalensis</i>	Rare
Indian Cobra		<i>Naja naja</i>	Rare	
Indian Rat Snake		<i>Ptyas mucosa</i>	Rare	
Asiatic Water Snake		<i>Fowlea piscator</i>	Rare	
Common Wolf Snake		<i>Lycodon capucinus</i>	Rare	
Asian Common Toad		<i>Duttaphrynus melanostictus</i>	Large	
Amphibians	Common Myna	<i>Acridotheres tristis</i>	Large	
Birds	Chestnut tailed starling	<i>Sturnia malabarica</i>	Few	
	Jungle Babbler	<i>Argya striata</i>	Few	
	Indian Pied Myna	<i>Gracupica contra</i>	Few	
	Red Vented Bulbul	<i>Pycnonotus cafer</i>	Rare	
	Red Whiskered Bulbul	<i>Pycnonotus jocosus</i>	Few	
	Laughing Dove	<i>Spilopelia senegalensis</i>	Rare	
	Common Pigeon	<i>Columba livia</i>	Large	
	Black Kite	<i>Milvus migrans</i>	Rare	
	Purple Sunbird	<i>Chmyris asiaticus</i>	Rare	
	Purple Rumped Sunbird	<i>Leptocoma zeylonica</i>	Rare	
	Coppersmith Barbet	<i>Psilopogon haemacephalus</i>	Rare	
	Blue-Throated Barbet	<i>Psilopogon asiaticus</i>	Rare	
	Indian Silverbill	<i>Euodice malabarica</i>	Rare	
	Great tit	<i>Parus major</i>	Rare	
	Black Drongo	<i>Dicrurus macrocecus</i>	Few	
	Rufous treepie	<i>Dendrocitta vagabunda</i>	Rare	
	Sparrow	<i>Passer domesticus</i>	Large	
	Falvous Breasted Woodpecker	<i>Dedrocopos maceti</i>	Rare	
	House Swift	<i>Apus nipalensis</i>	Large	
	Asian Koel	<i>Eudynamis scolopaceus</i>	Few	
	Rose-ringed Parakeet	<i>Psittacula krameri</i>	Rare	
	Indian Robin	<i>Copsychus fulicatus</i>	Rare	
	House Crow	<i>Corvus splendens</i>	Few	
	Black-Hooded Oriole	<i>Oriolus xanthornus</i>	Rare	
	Molluscs	Giant African Snail	<i>Achatina fulica</i>	Few
	Arthropoda	Mosquito	<i>Aedes aegypti</i>	Rare
			<i>Anopheles sp.</i>	Few
			<i>Culex sp.</i>	Large
		Millipedes	<i>Julus sp.</i>	Few
		Centipedes	<i>Scelopendra sp.</i>	Rare
Butterflies		Unable to identify	Moderate	

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॥ विद्यया विन्दतेऽमृतम् ॥

2022-2023

	Dragon Flies	Unable to Identify	Large
	Damsel Flies	Unable to Identify	Few
	Honey Bee	<i>Apis sp.</i>	Few
	Cockroach	<i>Periplaneta sp.</i>	Large
	Indian Yellow Paper Wasp	<i>Polistes olivaceus</i>	Few
	Moths	Unable to Identify	Large
	House Fly	<i>Musca domestica</i>	Few
	Firefly	Unable to Identify	Few
	Fruit fly	<i>Drosophila melanogaster</i>	Few
	Beetles	Unable to Identify	Large
	Termite	Unable to Identify	Rare
	Grasshopper	Unable to Identify	Large
	Spider	Unable to Identify	Large
	Ants	Unable to Identify	Large
	Cricket	Unable to Identify	Few
Annelida	Earthworm	<i>Pheretima sp.</i>	Large

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Checklist of Zoological/animal fauna found within the Katwa College premise 2023-24

Type	Common Name	Scientific Name	Appearance	
Mammals	Modern Human	<i>Homo sapiens</i>	Very Large	
	Bengal sacred langur	<i>Semnopithecus entellus</i>	Moderate	
	Domestic Dog	<i>Canis familiaris</i>	Large	
	Domestic Cat	<i>Felis catus</i>	Few	
	Goat	<i>Capra hircus</i>	Large	
	Asian palm civet	<i>Paradoxurus hermaphroditus</i>	Rare	
	Small Indian Mongoose	<i>Urva auropunctata</i>	Rare	
	Indian Palm Squirrel	<i>Fanambulus palmarum</i>	Few	
	Bengal Rat	<i>Bandicota bengalensis</i>	Few	
	House Mouse	<i>Mus musculus</i>	Few	
Reptiles	Oriental Garden Lizard	<i>Calotes versicolor</i>	Few	
	House Gecko	<i>Hemidactylus frenatus</i>	Few	
	Indian Monitor	<i>Varanus bengalensis</i>	Rare	
	Indian Cobra	<i>Naja naja</i>	Rare	
	Indian Rat Snake	<i>Ptyas mucosa</i>	Rare	
	Asiatic Water Snake	<i>Fowlea piscator</i>	Rare	
	Common Wolf Snake	<i>Lycodon capucinus</i>	Rare	
	Asian Common Toad	<i>Duttaphrynus melanostictus</i>	Large	
Amphibians	Common Myna	<i>Acridotheres tristis</i>	Large	
	Birds			
Birds	Chestnut tailed starling	<i>Sturnia malabarica</i>	Few	
	Jungle Babbler	<i>Argya striata</i>	Few	
	Indian Pied Myna	<i>Gracupica contra</i>	Few	
	Red Vented Bulbul	<i>Pycnonotus cafer</i>	Rare	
	Red Whiskered Bulbul	<i>Pycnonotus jocosus</i>	Few	
	Laughing Dove	<i>Spilopelia senegalensis</i>	Rare	
	Common Pigeon	<i>Columba livia</i>	Large	
	Black Kite	<i>Milvus migrans</i>	Rare	
	Purple Sunbird	<i>Cinnyris asiaticus</i>	Rare	
	Purple Rumped Sunbird	<i>Leptocoma zeylonica</i>	Rare	
	Coppersmith Barbet	<i>Psilopogon haemacephalus</i>	Rare	
	Blue-Throated Barbet	<i>Psilopogon asiaticus</i>	Rare	
	Indian Silverbill	<i>Eudice malabarica</i>	Rare	
	Great tit	<i>Parus major</i>	Rare	
	Black Drongo	<i>Dicrurus macrocecus</i>	Few	
	Rufous treepie	<i>Dendrociitta vagabunda</i>	Rare	
	Sparrow	<i>Passer domesticus</i>	Large	
	Falvous Breasted Woodpecker	<i>Dedrocopos maceti</i>	Rare	
	House Swift	<i>Apus nipalensis</i>	Large	
	Asian Koel	<i>Eudynamis scolopaceus</i>	Few	
	Rose-ringed Parakeet	<i>Psittacula krameri</i>	Rare	
	Indian Robin	<i>Copsychus fulicatus</i>	Rare	
	House Crow	<i>Corvus splendens</i>	Few	
	Black-Hooded Oriole	<i>Oriolus xanthornus</i>	Rare	
	Molluscs	Giant African Snail	<i>Achatina fulica</i>	Few
		Arthropoda	Mosquito	<i>Aedes aegypti</i>
			<i>Anopheles sp.</i>	Few
			<i>Culex sp.</i>	Large
	Millipedes		<i>Julus sp.</i>	Few
	Centipedes		<i>Scolopendra sp.</i>	Rare
Butterflies	Unable to Identify		Moderate	

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2023-2024

Dragon Flies	Unable to Identify	Large	
Damsel Flies	Unable to Identify	Few	
Honey Bee	<i>Apis sp.</i>	Few	
Cockroach	<i>Periplaneta sp.</i>	Large	
Indian Yellow Paper Wasp	<i>Polistes olivaceus</i>	Few	
Moths	Unable to Identify	Large	
House Fly	<i>Musca domestica</i>	Few	
Firefly	Unable to Identify	Few	
Fruit fly	<i>Drosophila melanogaster</i>	Few	
Beetles	Unable to Identify	Large	
Termite	Unable to Identify	Rare	
Grasshopper	Unable to Identify	Large	
Spider	Unable to Identify	Large	
Ants	Unable to Identify	Large	
Cricket	Unable to Identify	Few	
Annelida	Earthworm	<i>Pheretima sp.</i>	Large

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Botany Department

BIODIVERSITY REGISTER

KATWA COLLEGE CAMPUS

UNIVERSITY OF BURDWAN



Principal Investigators

Mr. Suwendu Pal
Mr. Debdut Ghosh
Mrs. Barnali Mukherjee
Mr. Saikat Mondal
Mr. Subhasis Mandal

Department of Botany
Katwa College

July 2024

1

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INTRODUCTION

Biodiversity Register (BR) is a document which contains information on local Bio-resources including landscape and demography of a particular area. Bio resources mean plants or parts thereof, their genetic material and by-products with actual or potential use or value. Its preparation requires survey of seasonal variation and species availability. Collection of photographs for BR is not a mere documentation exercise but is used to develop an agenda for conservation action. These serve as Biodiversity impact assessment tool for developmental activities. BR emphasizes on sustainable management of bio resource and their benefits to the community. People's Biodiversity Registers (PBR) document folk of uses, history, forces driving changes in biodiversity resources. A number of PBRs have been prepared in different parts of India beginning through initiatives by educational institutions working with local communities and village councils.

Here we the department of Botany, Katwa College have prepared a Biodiversity register with thorough investigation inside the College Campus only throughout the year. The observed specimens are described below.

2

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Biodiversity list

Katwa College Campus



Sl	Plant Name	Type	Details in page no.
1	<i>Acacia auriculiformis</i>	Tree	3
2	<i>Acalypha indica</i>	Herb	4
3	<i>Adiantum latifolium</i>	Herb	5
4	<i>Ageratum conyzoides</i>	Herb	6
5	<i>Alternanthera sessilis</i>	Herb	7
6	<i>Anacardium occidentale</i>	Herb	8
7	<i>Andrographis paniculata</i>	Herb	9
8	<i>Artocarpus heterophyllus</i>	Tree	10
9	<i>Asparagus racemosus</i>	Herb	11
10	<i>Areca catechu</i>	Tree	12
11	<i>Bauhinia phoenicea</i>	Herb	13
12	<i>Bignonia unguis-cati</i>	Herb	14
13	<i>Brachiararomosa</i>	Herb	15
14	<i>Bougainvillea glabra</i>	Tree	16
15	<i>Butea monosperma</i>	Tree	17
16	<i>Calotropis procera</i>	Shrub	18
17	<i>Cardiospermum halicacabum</i>	Herb	19
18	<i>Cassia sophora</i>	Shrub	20
19	<i>Cleome viscosa</i>	Herb	21
20	<i>Clerodendrum infortunatum</i>	Herb	22
21	<i>Clitoria ternatea</i>	Herb	23
22	<i>Codiaeum variegatum</i>	Shrub	24
23	<i>Commelinabenghalensis</i>	Herb	25
24	<i>Crotalaria pallida</i>	Herb	26
25	<i>Croton bonplandianus</i>	Herb	27
26	<i>Cyanthillium cinereum</i>	Herb	28
27	<i>Cycas circinnalis</i>	Tree	29
28	<i>Cynodondactylon</i>	Herb	30
29	<i>Cyperus rotundus</i>	Herb	31
30	<i>Dactyloctenium aegyptium</i>	Herb	32
31	<i>Desmodium gangeticum</i>	Herb	33
32	<i>Desmodium triflorum</i>	Herb	34
33	<i>Dryopteris cochleata</i>	Herb	35
34	<i>Eleusine indica</i>	Herb	36
35	<i>Euphorbia hirta</i>	Herb	37
36	<i>Evolvulus sinoides</i>	Herb	38
37	<i>Gymnopetalum scabrum</i>	Herb	39

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38	<i>Hibiscus hispidissimus</i>	Herb	40
39	<i>Hibiscus rosa-sinensis</i>	Shrub	41
40	<i>Ipomoea cairica</i>	Herb	42
41	<i>Ixora coccinea</i>	Shrub	43
42	<i>Lantana camara</i>	Shrub	44
43	<i>Mangifera indica</i>	Tree	45
44	<i>Mikania scandens</i>	Herb	46
45	<i>Mimosa diplotricha</i>	Herb	47
46	<i>Mimosa pudica</i>	Herb	48
47	<i>Moringa oleifera</i>	Tree	49
48	<i>Nerium oleander</i>	Shrub	50
49	<i>Oldenlandia corymbosa</i>	Herb	51
50	<i>Parthenium hysterophorus</i>	Herb	52
51	<i>Passiflora edulis</i>	Herb	53
52	<i>Pennisetum pedicellatum</i>	Herb	54
53	<i>Peperomia pellucida</i>	Herb	55
54	<i>Phoenix sylvestris</i>	Tree	56
55	<i>Phyllanthus fraternus</i>	Herb	57
56	<i>Polyalthia longifolia</i>	Tree	58
57	<i>Saraca asoca</i>	Tree	59
58	<i>Selenicereus undatus</i>	Herb	60
59	<i>Spermacoce hispida</i>	Herb	61
60	<i>Sphagneticola trilobata</i>	Herb	62
61	<i>Spilanthes acmella</i>	Herb	63
62	<i>Strobilanthes ciliatus</i>	Herb	64
63	<i>Synedrella nodiflora</i>	Herb	65
64	<i>Tephrosia purpurea</i>	Herb	66
65	<i>Tridax procumbens</i>	Herb	67
66	<i>Turnera ulmifolia</i>	Herb	68
67	<i>Ziziphus oenopia</i>	Tree	69

DEPARTMENT OF BOTANY

KATWA COLLEGE



ASAKR
Principal 30/06/2024
Katwa College
Katwa, Purba Bardhaman

Suman Pal
Saikat Mondal
Barnali Mukherjee
Subhasis Mandal

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॥ विद्यया विन्दतेऽमृतम् ॥

1. *Acacia auriculiformis* A. Cunn. ex Benth.

Common name: Australian wattle

Family: Fabaceae

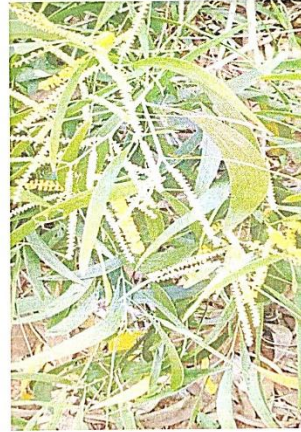
Description: Introduced from Australia by the forest department as a fast-growing species primarily in monoculture energy plantations. Evergreen trees, leaf like modified leaf stalk, without mid rib.

Useful part: Bark, wood

Traditional uses: A decoction of the root is used to treat aches and pains and sore eyes. An infusion of the bark has been used to treat rheumatism, diarrhoea and dysentery, and can also be helpful in cases of internal bleeding.

Other uses: The plant is a major source of firewood. New technology allows the use of the wood for making panels and furniture. A natural dye, used in the batik textile industry in Indonesia, is also extracted from the bark.

Locality: Whole campus



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2. *Acalypha indica* L.

Common name: Muktojhuri.

Family: Euphorbiaceae.

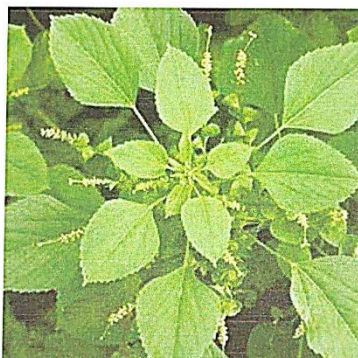
Description: It is a perennial herb native to tropical Asia and Africa. It is usually considered a weed. A dye is obtained from the sap in the flowers. Fl. & Fr. Throughout the year.

Useful part: Roots, leaves, flowering parts, flowers.

Traditional uses: It is used as a medicinal herb that is said to have diuretic and febrifugal effects. It is used to cure swellings of the skin.

Biological activity: Anti-inflammatory.

Locality: Campus.



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3. *Adiantum latifolium* Lamk.

Common name: Maiden hair fern

Family: Pteridaceae

Description: Terrestrial herb with long creeping, densely scaly rhizome, native to Tropical America. Reproduction through spores

Useful part: Leaves

Traditional uses: Wound healing, rejuvenation

Biological activity: Antibacterial, larvicidal

Locality: Campus



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4. *Ageratum conyzoides* L.

Common name: Goat weed

Family: Asteraceae

Description: It is an erect softly hairy annual plant native to tropical America, considered as an invasive weed. Fl. & Fr. July- September, Useful part: Whole plant

Traditional uses: In Central Africa it is used to treat pneumonia, but the most common use is to cure wounds and burns. Traditional communities in India use this species as a bactericide, antidiarrhoeic. In Cameroon and Congo, traditional use is to treat fever, rheumatism, headache, and colic.

Biological activity: Insecticidal, nematocidal, analgesic, antispasmodic

Locality: Campus



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5. *Alternanthera sessilis* (L.) R. Br. Ex DC.

Common name: Sessile Joyweed

Family: Amaranthaceae

Description: *A. sessilis* is a perennial herb with prostrate stems, often rooting at the nodes. It is an invasive plant species that can grow in a variety of habitats. In aquatic systems, *A. sessilis* can block irrigation pipes and water channels. The species is native to Brazil. Flowers in sessile spikes; Fl & Fr. Throughout the year.

Useful part: Stems, leaves

Traditional uses: Useful in eye trouble, decoction with little salt drunk to check vomiting of blood. Shoot with other ingredients used to restore virility; poultice used for boils.

Biological activity: Antimicrobial, anti-inflammatory, anti-hepatic,

Locality: Campus



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6. *Anacardium occidentale* L.

Common name: Cashew tree

Family: Anacardiaceae

Description: A tropical evergreen tree that produces the cashew seed and the cashew apple. It is a native to Central America, the Caribbean Islands, northern South America, including the northern and north-eastern regions of Brazil. Fl. & Fr. January- March.

Useful part: Bark, leaves, fruits

Traditional uses: Leaf and bark infusions are used in the treatment of toothache and sore gums, whilst the bark and leaf extracts and fruit juice are taken internally to treat diarrhoea. The fruit is anti-scorbutic, astringent and diuretic. Cashew syrup is a good remedy for coughs and colds.

Biological activity: Antimicrobial, antioxidant, anti-inflammatory.

Locality: Whole campus



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7. *Andrographis paniculata* (Burm. f.) Nees

Common name: Kalmegh

Family: Acanthaceae

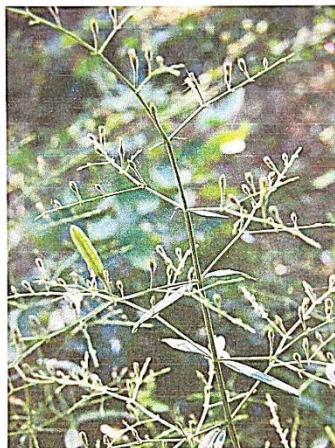
Description: One of the highly used potentials, medicinal plants in the world, generally known as King of Bitters. It is an annual herbaceous plant, native to India and Sri Lanka. Fl. & Fr. September-December.

Useful part: Whole plant

Traditional uses: Used for the treatment of diseases such as cancer, diabetes, high blood pressure, ulcer, leprosy, bronchitis, skin diseases.

Biological activity: Antifungal, antioxidant.

Locality: Whole campus



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8. *Artocarpus heterophyllus* Lamk.

Common name: Kanthal, Jack fruit.

Family: Moraceae.

Description: It is a species of tree in the fig, mulberry, and breadfruit family (*Moraceae*). The jackfruit is the largest tree fruit, reaching as much as 55 kg in weight, 90 cm (35 inches) in length, and 50 cm (20 inches) in diameter. A mature jackfruit tree produces some 200 fruits per year, with older trees bearing up to 500 fruits in a year. The jackfruit is a multiple fruit composed of hundreds to thousands of individual flowers, and the fleshy petals of the unripe fruit are eaten.

The jackfruit tree is well-suited to tropical lowlands and is widely cultivated throughout tropical regions of the world, including India, Bangladesh, Sri Lanka.

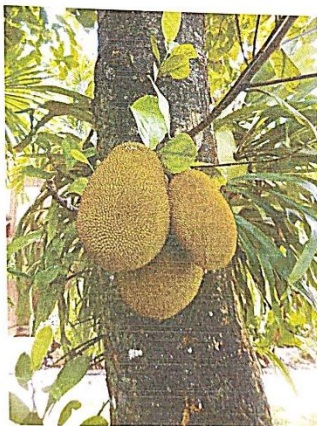
Useful part: Leaf.

Traditional uses: Used for the treatment of diseases such as diabetes, ulcer, leprosy, bronchitis, skin diseases.

Other uses: The unripe fruit cooked as vegetables and ripen fruit is a delicious fruit.

Biological activity: Antifungal, antioxidant.

Locality: Whole campus



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9. *Asparagus racemosus* Willd

Common name: Indian asparagus

Family: Asparagaceae

Description: Native to the Himalayas in India; Woody perennial climbers; stem often spinescent, rootstock with fasciated tuberous roots; flowers white. Fl. & Fr. June-July.

Useful part: Tuberous roots.

Traditional uses: A natural cough remedy in West Bengal, India, a folk remedy for diarrhoea and dysentery, bleeding nose etc.

Biological activity: Thrombolytic, antimicrobial and antioxidant.

Locality: Campus.



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10. *Areca catechu* L.

Common name: Betel palm.

Family: Arecaceae

Description: Stem erect, hooped, unarmed. Leaves in a terminal crow, native to the Malaysian peninsula and Philippines. Fl. & Fr. throughout the year.

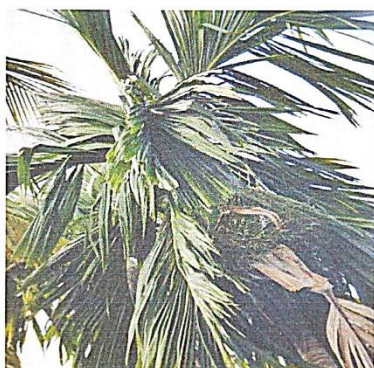
Useful part: Leaves, nut.

Traditional uses: Both leaves and nuts are used for the treatment of diarrhoea, dropsy, throat inflammations, anaemia, obesity, worms and urinary disorders.

Biological activity: Antihypertensive, diuretic, antibacterial.

Other uses: The seed has mild narcotic properties, it is widely used in some areas of the tropics as an amacatory, being mixed with the leaves of a pepper plant (*Piper betle*), a gum and, often, lime.

Locality: Campus



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11. *Bauhinia phoenicea* Wight & Arn

Common name: Scarlet Bauhinia

Family: Fabaceae

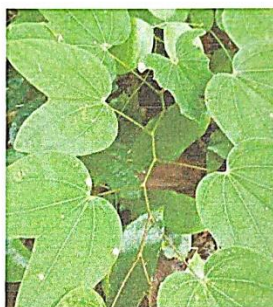
Description: A very interesting large climbing shrub found in the Western Ghats. Flower scarlet red in few flowered corymb inflorescences in leaf axils. Fl.-January-March.

Useful part: Whole plant, bark.

Traditional uses: In traditional medicine, the plant is used against diabetes, skin allergies, fungal infections.

Biological activity: Bark of *B. phoenicea* has significant antimicrobial, anthelmintic and antioxidant properties.

Locality: Campus



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12. *Bignonia unguis-cati* L. (= *Dolichandra unguis-cati* (L.)
L.G. Lohmann)

Common name: Cat's claw climber

Family: Bignoniaceae

Description: A vigorous woody climbing vine, native to South America, Central America and Caribbean. The terminal leaflets are modified into 3 flattened tendrils which hold on to the surface of the wall hence the name. Fl. & Fr. throughout the year.

Useful part: Leaves.

Traditional uses: Widely used in folk medicine as an anti-inflammatory, antimalarial.

Biological activity: Anticancer, anti-inflammatory agent, antioxidant, anti-insect, antiprotozoal.

Locality: Campus



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13. *Brachiaria ramosa* (L.) Stapf

Common name: Brown top millet

Family: Poaceae

Description: Decumbent annuals found in moist places, native to Bangladesh, Bhutan, Cambodia and India. Fl. & Fr. March- September.

Useful part: Whole plant

Traditional uses: None known

Biological activity: Antifungal

Other uses: The plant is used to suppress root-knot nematode populations.

Locality: Moist places of campus.



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14. *Bougainvillea glabra* Choisy.

Common name: Bagunbilash, Paper flower.

Family: Nyctaginaceae.

Description: It is an evergreen, climbing shrub with thick, thorny stems and drooping branches that are globous or sparsely hairy. The leaves have a 3–10-millimetre-long ($\frac{1}{4}$ – $\frac{3}{8}$ in) stem. The leaf blade is ovate to ovate-lanceolate, pointed or briefly pointed, 5 to 13 cm long and 3 to 6 cm wide, sparsely fluffy hairy on the underside and bald on the top. The leaf-like bracts are purple, oblong or elliptical, pointed, 65–90 mm ($2\frac{1}{2}$ – $3\frac{1}{2}$ in) long and about 50 mm (2 in) wide. They tower over the flowers. These grow individually in pairs or in groups of three on flower stems about 3.5 mm long. It usually grows 3–3.5 m (10–12 ft) tall, occasionally up to 9 m (30 ft). Tiny white flowers usually appear in clusters surrounded by colourful papery bracts, hence the name paperflower. The leaves are dark green, variable in shape, up to 100 mm (4 in) long. The flowers are about 0.4 cm in diameter.

Useful part: Leaves.

Traditional uses: Leaves are used for the treatment of diarrhoea, dropsy, throat inflammations, anaemia, obesity, worms and urinary disorders.

Biological activity: Antihypertensive, diuretic, antibacterial.

Locality: Campus



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15. *Butea monosperma* (Lamk.) Taub.

Common name: Polash.

Family: Fabaceae.

Description: It is a small-sized dry-season deciduous tree, growing to 15 m (49 ft) tall. It is slow-growing; young trees have a growth rate of a few feet per year. The leaves are pinnate, with an 8–16 cm (3.1–6.3 in) petiole and three leaflets. Each leaflet is 10–20 cm (3.9–7.9 in) long. The flowers are 2.5 cm (0.98 in) long, bright orange-red, and produced in racemes up to 15 cm (5.9 in) long. The fruit is a pod 15–20 cm (5.9–7.9 in) long and 4–5 cm (1.6–2.0 in) broad. The flowers frequently have a spectacular late-winter bloom (February to April), although the trees do not flower every year. Each flower features five petals, two wings, and a keel that resembles the curled beak of a parrot. If the winter season is too cold, too dry, or too rainy, trees may not blossom.

Useful part: Bark, leaves, flowers

Traditional uses: Bark is used as a medicine for the treatment of neurodermatitis and syphilis. It is diaphoretic and expectorant. Powdered bark is used to treat diarrhoea, dysentery, elephantiasis, and leprosy. An infusion of the leaves is used to treat severe chest colds and heart conditions. Powdered flowers are valued for treating coughs.

Biological activity: Antimicrobial, Antibacterial

Other use: The flower dye is used for a reputed Indian cultural festival holi.

Locality: Campus.



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16. *Calotropis procera* (L.) W. T. Aiton

Common name: Giant milkweed

Family: Apocynaceae

Description: Native to Bangladesh, Cambodia, China, Sri Lanka, India, Indonesia, Malaysia, Nepal, Pakistan, Philippines, Thailand, Tropical Africa. Fl. & Fr. November- April.

Useful part: Bark, leaves, flowers

Traditional uses: Bark is used as a medicine for the treatment of neurodermatitis and syphilis. It is diaphoretic and expectorant. Powdered bark is used to treat diarrhoea, dysentery, elephantiasis, and leprosy. An infusion of the leaves is used to treat severe chest colds and heart conditions. Powdered flowers are valued for treating coughs.

Biological activity: Antimicrobial, Antibacterial

Locality: Campus



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17. *Cardiospermum halicacabum* L.

Common name: Balloon vine

Family: Sapindaceae

Description: A woody perennial vine, climbing or trailing, distributed almost globally in the tropics. Capsules pyriform, winged at the angles; seeds with large heart-shaped hilum. Fl. & Fr. September-December.

Useful part: Root, leaf.

Traditional uses: Root is used in the form of powder to treat, snake-poisoning, cough with fever, scrotal enlargement, anaemia and jaundice.

Biological activity: Antimicrobial antibacterial.

Locality: Campus



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18. *Cassia sophera* Linn.

Common name: Kalka-sunda

Family: Fabaceae

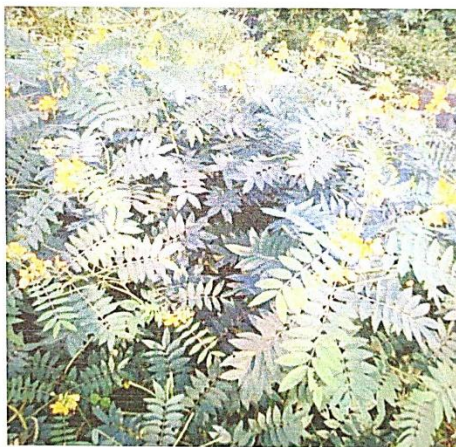
Description: A medium-sized, herb with, leafless when flowers, dark brown fruit long and cylindrical resembling drumstick. This species is native to the Indian subcontinent and adjacent regions of Southeast Asia. Fl. April-June; Fr. December-April.

Useful part: Root bark, leaves, flowers, fruits.

Traditional uses: The ripe fruit, seeds, root bark, leaves and flowers laxative. Pods used as a remedy for malaria, blood poisoning, anthrax, diabetes and dysentery. Bark or leaves widely applied to skin problems. Heartwood an anthelmintic.

Biological activity: antibacterial, anti-oxidant, anti-inflammatory, amoebicidal and, wound healing.

Locality: Campus.



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19. *Cleome viscosa* Linn.

Common name: Asian spider flower

Family: Cleomaceae

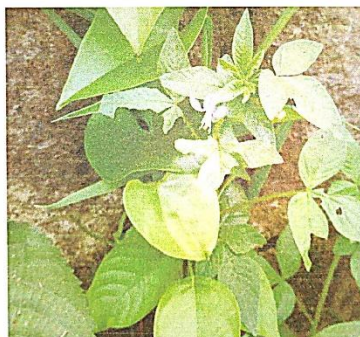
Description: It is an erect herb with small purple flowers and with siliqua fruits; Distributed in India, Indonesia (Java) and Sri Lanka. Flowering & Fruiting: February- August.

Useful part: Whole plant.

Traditional uses: Anthelmintic.

Biological activity: Anti-inflammatory, cytotoxic, nutritional and antioxidant properties.

Locality: Campus.



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20. *Clerodendrum infortunatum* L.

Common name: Hill glory bower

Family: Lamiaceae

Description: *C. infortunatum* is a flowering shrub or small tree, and is so named because of its rather rugy leaf. Fl. & Fr. Throughout the year.

Useful part: Roots, leaves.

Traditional uses: Used as tonic and anthelmintic agent in the country sides of North India. Used in Ayurveda, Unani system of medicine and Homeopathy for ailments like diarrhoea, skin disorders, piles, venereal and scrofulous complaints, wounds, post-natal complications, as vermifuge. Leaves and roots used for external applications on tumours.

Biological activity: Antimicrobial, antioxidant and free radical scavenging activities.

Locality: Campus



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21. *Clitoria ternatea* L.

Common name: Butterfly pea.

Family: Fabaceae

Description: This plant is native to equatorial Asia. It is a short-lived perennial herbaceous climbing or trailing plant. Some varieties yield white flowers (*C. ternatea*). Fl & Fr. throughout the year.

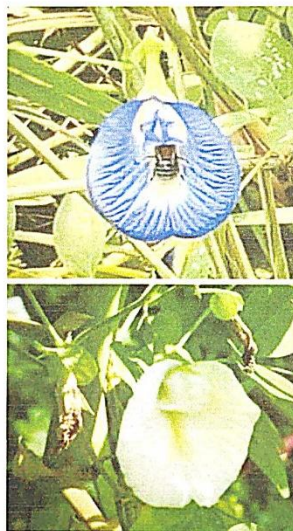
Useful part: All parts.

Traditional uses: In traditional Ayurveda medicine, it is ascribed various qualities including memory enhancing, antistress, anxiolytic, antidepressant, anticonvulsant, tranquilizing, and sedative.

Biological analgesic activity: Antimicrobial, antibacterial.

Other uses: Used as food and a source for dye.

Locality: Campus



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22. *Codiaeum variegatum* (L.) Rumph

Common name: Not known.

Family:

Description: *Codiaeum variegatum* is an evergreen and monoecious tropical shrub growing to 3 m (9.8 ft) tall, with thick, somewhat "leathery" and shiny, alternately-arranged leaves. The species is known for its vividly coloration (especially in higher sunlight), displaying almost "tie-dye"-like patterns of green, yellow and purple, in varying hues and intensity, depending on variety.

Traditional uses: In traditional Ayurveda medicine, it is ascribed various qualities including memory enhancing, anticonvulsant, tranquilizing, and sedative.

Biological analgesic activity: Antimicrobial, antibacterial.

Locality: Campus



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23. *Commelinabenghalensis* L.

Common name: Bengal day flower, Kanchira.

Family: Commelinaceae

Description: It is a perennial herb native to tropical Asia and Africa. It is usually considered a weed. Dye is obtained from the sap in the flowers. Fl. & Fr. Throughout the year.

Useful part: Rhizomes, roots, leaves, flowering parts, flowers.

Traditional uses: It is used as a medicinal herb that is said to have diuretic and febrifugal effects. It is used to cure swellings of the skin.

Biological activity: Anti-inflammatory.

Locality: Campus.



25

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24. *Crotalaria pallida* Roth.

Common name: Narrowleaf Rattlepod, atashi

Family: Fabaceae

Description: *C. pallida* is an annual to short-lived perennial, native to India. Fl. & Fr. December- January.

Useful part: Whole plant, roots.

Traditional uses: Juice of the root is used in the treatment of indigestion. A paste of the plant is applied topically as a treatment for warts, especially those on the sole of the feet.

Biological activity: Antibacterial.

Locality: Campus



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25. *Croton bonplandianus* L.

Common name: Bantulshi.

Family: Euphorbiaceae

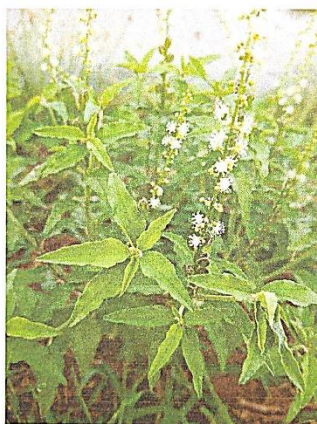
Description: It is a perennial herb native to tropical Asia and Africa. It is usually considered a weed. Dye is obtained from the sap in the flowers. Fl. & Fr. Throughout the year.

Useful part: Roots, leaves, flowering spathe, flowers.

Traditional uses: It is used as a medicinal herb that is said to have diuretic and febrifugal effects. It is used to cure swellings of the skin.

Biological activity: Anti-inflammatory.

Locality: Campus.



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26. *Cyanthillium cinereum* (L.) H. Rob.

Common name: Little ironweed

Family: Asteraceae

Description: The species is native to tropical Africa and to tropical Asia. It is a common herb throughout India. It is an annual or short-lived perennial. It is a cosmopolitan weed common in disturbed areas in the tropics and subtropics. Fl. & Fr. November-February.

Useful part: Whole plant.

Traditional uses: Whole plant used in Ayurveda as a diaphoretic and febrifuge, to promote perspiration in the treatment of fevers, as a poultice on cuts, wounds, and skin diseases. Flowers used in treating conjunctivitis.

Biological activity: antioxidant and free-radical-scavenging properties.

Locality: Campus



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27. *Cycas circinnalis* L.

Common name: Sago palm.

Family: Cycadaceae

Description: A stout palm-like plant with a trunk covered in thick and corky bark, which terminates in a crown of long, bright green, slightly glossy feathery leaves. It is a native to the old world, known in the wild only from southern India. Fl. Flowers once in many years.

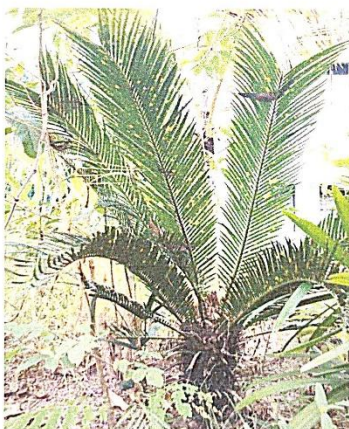
Useful part: Bark, leaves, seeds.

Traditional uses: Bark and the seeds are ground to a paste with oil and used as a poultice on sores, cuts, wounds, ulcers and swellings. Juice of tender leaves is useful in the treatment of flatulence and vomiting. A decoction of the leaves is drunk to soothe cough.

Biological activity: Antibacterial, antioxidant.

Other uses: The seeds are harvested and used for food as a regular part of the diet. Cortex pulp is used for sago production.

Locality: Campus.



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28. *Cynodondactylon* L.

Common name: Bermuda grass, Durba grass.

Family: Poaceae.

Description: A warm-season, prostrate, perennial grass that occurs on almost all soil types. It is a weed which is widely grown in tropical climate, native to India. In India it is considered very sacred and most favourite to Lord Ganesha. Flowering occurs in late summer. This grass spreads by scaly rhizomes and flat stolon that allow it to form a dense resilient turf.

Useful part: Whole plant.

Traditional uses: problems Used in Ayurveda and Siddha medicine for treating piles, skin and eye problems, bleeding disorder etc.

Biological activity: Antibacterial, antiviral.

Locality: Campus.



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29. *Cyperus rotundus* L.

Common name: Purple nutsedge or nutgrass.

Family: Cyperaceae.

Description: A species of sedge, native to Africa, southern and central Europe, and southern Asia. It is a colonial, perennial herb considered to have originated in India 2000 years ago and widely used in Ayurveda. Fl. & Fr. Throughout the year.

Useful part: Roots, tubers.

Traditional uses: Used to treat various clinical conditions at home such as diarrhoea, diabetes, inflammation, malaria, stomach, and bowel disorders.

Biological activity: Analgesic, anti-allergic, antiarthritic, anti-candida, anti-cariogenic, anti-convulsant, anti-diarrheal, anti-emetic, anti-helminthic, antihistamine, anti-malarial, anti-obesity, anti-platelet, anti-pyretic.

Locality: Campus.



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30. *Dactyloctenium aegyptium* (L.) Willd.

Common name: Crowfoot grass.

Family: Poaceae

Description: A tufted, slightly stoloniferous annual or short-lived perennial grass, native to Africa and widely distributed throughout the tropics, subtropics, and warm temperate regions of the old world. Fl. & Fr. May- October.

Useful part: Whole plant.

Traditional uses: In Manipur, juice of fresh plants is prescribed in fevers. Decoction of the plant is given in smallpox.

Biological activity: antimicrobial, antioxidant, reproductive, cytotoxic, antidiabetic and gastrointestinal effects.

Locality: Campus.



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31. *Desmodium gangeticum* (L.) DC

Common name: Sal leaved Desmodium.

Family: Fabaceae.

Description: Herbs found as an orchard weed, native to tropical Africa, Asia, and northern Australia. Fl. & Fr. October-December.

Useful part: Roots, leaves.

Traditional uses: A decoction of the leaves used against stones in the gall bladder, kidneys, or bladder. Leaves applied as a poultice for headache. Roots considered astringent, bitter tonic, diuretic, expectorant and febrifuge. A decoction of the roots used to treat kidney problems, oedema, swellings, chronic fever, coughs, biliousness, diarrhoea, and dysentery.

Biological activity: Antibacterial, anti-inflammatory, antioxidant, anti-nociceptive

Locality: Campus



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32. *Desmodium triflorum* (L.) DC.

Common name: Three-flower Beggarweed

Family: Fabaceae.

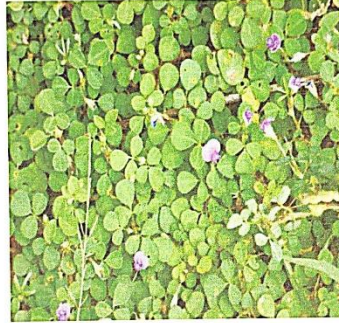
Description: A much branched, mat-forming, prostrate, annual to perennial herb; Probably originated in tropical Asia but is now Pantropical. Commonly found in pastures, plantations, roadsides, and lawns. Fl. & Fr. Throughout the year.

Useful part: Whole plant.

Traditional uses: The plant is antipyretic, antiseptic, expectorant. A decoction is commonly used to treat diarrhoea and dysentery. A poultice of the leaves, is applied externally on wounds, ulcers, and for skin problems.

Biological activity: Antimicrobial, antibacterial.

Locality: Whole campus.



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33. *Dryopteris cochleata* (D. Don) C. Chr.

Common name: Common Indian fern.

Family: Dryopteridaceae.

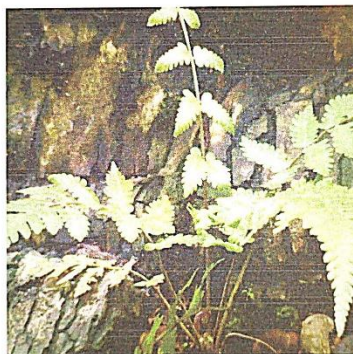
Description: Terrestrial tufted woody fern with creeping rhizome and generally dimorphic fronds, rhizome woody, Reproduces through spores.

Useful part: Leaves.

Traditional uses: Young leaves used as vegetable, used in wound infection.

Biological activity: Antimicrobial: antibacterial.

Locality: Campus.



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34. *Eleusine indica* (L.) Gaertn.

Common name: Indian goose grass, Indian crowfootgrass.

Family: Poaceae.

Description: A short-lived tufted perennial that branches from the base and can have erect, decumbent, or prostrate habit, native to Africa and temperate and tropical Asia. Fl. & Fr. throughout the year.

Useful part: Whole plant, roots.

Traditional uses: The whole plant, but especially the root, is anthelmintic, astringent, depurative, diuretic, febrifuge, laxative and sudorific. It is used in the treatment of bladder disorders, liver complaints, relieve pain caused by straining the abdominal muscles. It is also used in the treatment of influenza, hypertension.

Biological activity: Anti-inflammatory, antioxidant.

Locality: Campus.



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35. *Euphorbia hirta* L.

Common name: Asthma-plant.

Family: Euphorbiaceae.

Description: A pantropical weed, possibly native to India. It is a hairy annual herb that grows in open grasslands, roadsides and pathways. Fl. & Fr. Throughout the year.

Useful part: Whole plant.

Traditional uses: To treat respiratory system disorders including bronchitis, asthma, hay fever, emphysema, coughs, colds and laryngeal spasm, though in modern herbalism it is more used in the treatment of gastrointestinal disorders, including intestinal parasites, vomiting, diarrhoea.

Biological activity: Antidiarrheal.

Locality: Campus.



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36. *Evolvulus alsinoides* Linn.

Common name: Little glory.

Family: Convolvulaceae.

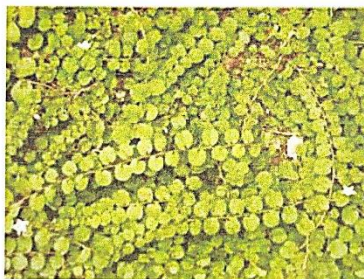
Description: It is a very variable, perennial plant with slender, branched stems that can become somewhat woody. It is native to South America. Fr & Fr. Throughout the year.

Useful part: Whole plant.

Traditional uses: Used in form of decoction in nervous debility and loss of memory, as blood purifier and in bleeding piles, fresh flowers with sugar eaten as brain tonic, leaf paste made into cigarettes and smoked in chronic bronchitis and asthma. It is traditionally used in Ayurveda for neurotropic and psychotropic effects.

Biological activity: Antibacterial.

Locality: Campus.



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37. *Gymnopetalum scabrum* (Loureiro) W. J. de Wilde
& Duyfjes

Common name: Wild cucumber.

Family: Cucurbitaceae.

Description: Its native range is India to S. China and Malesia. Largely creeping and climbing annual herb common in the wastelands. Fl. & Fr. June-December. The watery, slimy, blackish pulp enveloping the seeds does not taste bitter.

Useful part: Whole plant.

Biological activity: Show antibacterial activity.

Locality: Campus.



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38. *Hibiscus hispidissimus* Griff.

Common name: Wild Hibiscus.

Family: Malvaceae.

Description: Rambling or climbing shrubs; stems, petioles and pedicels armed with recurved prickles, often intermingled with dense stellate indumentum, native to warm temperate and tropical regions. Fl. & Fr. September-January/November- February.

Useful part: Roots, Leaves.

Traditional uses: Leaves anthelmintic. Juice of leaves mixed with honey used in the treatment of eye diseases, roots used in the treatment of kidney disorders.

Biological activity: Hepatoprotective, Antiarthritic.

Locality: Campus.



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39. *Hibiscus rosa-sinensis* L.

Common name: China rose, Jaba.

Family: Malvaceae

Description: Glabrous shrubs, native of Pacific islands, cultivated in Tropical and Subtropical countries, Flowering throughout the year.

Useful part: Leaves, flowers.

Traditional uses: The leaves and flowers are promoters of hair growth and anti-greying and aid in healing of ulcers. Flowers have been found to be effective in the treatment of arterial hypertension and have significant antifertility effect.

Biological activity: Antibacterial.

Other uses: Flowers are cooked.

Locality: Campus.



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40. *Ipomoea cairica* L. Sweet

Common name: Morning glory.

Family: Convolvulaceae.

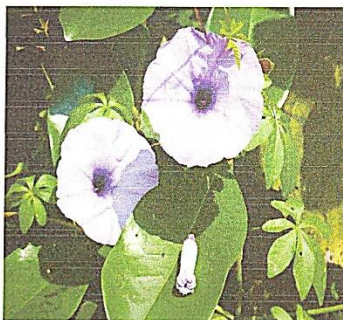
Description: A vining, herbaceous, perennial plant with palmate leaves and large, showy white to lavender flowers. The exact native range of this species is obscure, but it is thought to have originated in tropical Africa and Asia. Fl. & Fr. September- May.

Useful part: Whole plant, seeds.

Traditional uses: The entire plant is used for treating external infections. Seeds are used as a strong purgative.

Biological activity: Antibacterial, Antifungal, Antioxidant.

Locality: Campus.



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41. *Ixora coccinea* L.

Common name: Flame of the woods.

Family: Rubiaceae.

Description: It is a common flowering shrub native to Southern India, Bangladesh, and Sri Lanka. It is a low-growing tropical shrub notable for its bright coloured flowers composed of many small blooms. Fl. & Fr. throughout the year.

Useful part: Flowers, leaves, roots, stem.

Traditional uses: The fruits, when fully ripe, are used as a dietary source. Used as an astringent and to treat dysentery and tuberculosis. An infusion of the leaves or flowers is administered to treat fever, headache and colic.

Biological activity: Antioxidative, antibacterial, gastroprotective, hepatoprotective, anti-diarrheal, antinociceptive, antimutagenic.

Locality: Campus.



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42. *Lantana camara* L.

Common name: Putus.

Family: Verbenaceae.

Description: An erect perennial pubescent herb. Native range tropical & subtropical Asia to Queensland, found in Indomalaya region, peninsular India and Sri Lanka. Fl & Fr. August-September.

Traditional uses: Root sweet and bitter tasting, refrigerant, antifebrile. In Philippines, a decoction used to treat influenza, cough, mumps, incessant high fever, malaria, cervical lymph node tuberculosis, asthma, toothache.

Biological activity: Antimicrobial, fungicidal, insecticidal and nematocidal.

Locality: Campus.



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43. *Mangifera indica* Linn.

Common name: Aam, Mango.

Family: Anacardiaceae.

Description: *Mangifera indica* is a large green tree, valued mainly for its fruits, both green and ripe. Approximately 500 varieties have been reported in India. It can grow up to 15–30 metres (50–100 feet) tall with a similar crown width and a trunk circumference of more than 3.7 m (12 ft). The leaves are simple, shiny and dark green.

Red-yellow flowers appear at the end of winter, and also at the beginning of spring. Both male and female flowers are borne on same tree.^[3] Climatic conditions have a significant influence on the time of flowering. In South Asia, flowering starts in December in the south, in January in Bengal, in February in eastern Uttar Pradesh and Bihar, and in February–March in northern India. The duration of flowering is 20–25 days for the Dasher variety, while panicle emergence occurs in early December and flower opening is completed by February.

Traditional uses: Leaves bitter tasting, refrigerant, antifebrile. Leaf pulp decoction used to treat influenza, cough, incessant high fever, toothache.

Fruit: Fruit is delicious.

Biological activity: Antimicrobial, fungicidal, insecticidal and nematocidal.

Locality: Campus.



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44. *Mikania scandens* (L.) Willd.

Common name: Climbing hemp vine

Description: An herbaceous climbing vine with the potential to grow over and outcompete native plant species, native to the eastern and central United States. Fl. & Fr. Though it blooms all through the year, it flowers abundantly during February- April.

Useful part: Leaves

Traditional uses: Used for treatment of gastric ulcers, wounds, and insect bites.

Biological activity: antimicrobial, antipyretic, anti-inflammatory agent, anti-cold used as decoction for coughs.

Locality: Campus.



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45. *Mimosa diplotricha* Suavalle

Common name: Giant sensitive plant

Family: Fabaceae

Description: *M. diplotricha* is a species of leguminous woody shrub native to the Neotropics. It is an invasive species and now has a pantropical distribution. Fl. & Fr. October-December.

Uses: Used as green manure.

Traditional uses: Used for treatment of gastric ulcers, wounds, and insect bites.

Biological activity: antimicrobial, antipyretic, anti-inflammatory agent, anti-cold used as decoction for coughs.

Locality: Campus



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46. *Mimosa pudica* L.

Common name: Touch me not, The sensitive plant.

Family: Fabaceae

Description: A weed of wetter coastal areas, particularly in tropical and sub-tropical regions. It is mostly found in plantation crops, disturbed sites, pastures, waste areas, parks. Fl. & Fr. July- January.

Useful part: Whole plant, roots, leaves, seed.

Traditional uses: In Ayurveda the root is used in the treatment of leprosy, amoebic dysentery, uterine complaints, inflammations, asthma, leukoderma, and blood diseases. It is very useful in diarrhoea, dysentery, bleeding piles and urinary infections. The leaves are bitter, mildly sudorific, tonic.

Biological activity: antioxidant, antibacterial, anticonvulsant, antidepressant, antidiarrheal, hypolipidemic activities, diuretic, antiparasitic, antimalarial.

Locality: Campus.



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47. *Moringa oleifera* Lamk.

Common name: Sojne.

Family: Moringaceae.

Description: *M. oleifera* is a fast-growing, deciduous tree that can reach a height of 10–12 m (33–39 ft) and trunk diameter of 46 cm (18 in). The bark has a whitish-grey colour and is surrounded by thick cork. Young shoots have purplish or greenish-white, hairy bark. The tree has an open crown of drooping, fragile branches, and the leaves build up a feathery foliage of tripinnate leaves.

The flowers are fragrant and hermaphroditic, surrounded by five unequal, thinly veined, yellowish-white petals. The flowers are about 1–1.5 cm ($\frac{3}{8}$ – $\frac{5}{8}$ in) long and 2 cm ($\frac{3}{4}$ in) broad. They grow on slender, hairy stalks in spreading or drooping flower clusters, which have a length of 10–25 cm (4–10 in).

Useful part: Whole plant, leaves, flower, fruit.

Traditional uses: it is used to recovery of serious infection of wound, skin rashes and also used as anti-inflammatory agents.

Biological activity: antioxidant, antibacterial, anticonvulsant, antidepressant, anti-diarrheal, hypolipidemic activities, diuretic, antiparasitic, antimalarial.

Locality: Campus.



49

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48. *Nerium oleander* Linn.

Common name: Rakta karabi.

Family: Apocynaceae.

Description: It is a shrub or small tree cultivated worldwide in temperate and subtropical areas as an ornamental and landscaping plant. It is the only species currently classified in the genus *Nerium*, belonging to subfamily Apocynoideae of the dogbane family Apocynaceae. It is so widely cultivated that no precise region of origin has been identified, though it is usually associated with the Mediterranean Basin. *Nerium* grows to 2–6 metres (7–20 feet) tall. It is most commonly grown in its natural shrub form, but can be trained into a small tree with a single trunk. It is tolerant to both drought and inundation, but not to prolonged frost. White, pink or red five-lobed flowers grow in clusters year-round, peaking during the summer. The fruit is a long narrow pair of follicles, which splits open at maturity to release numerous downy seeds.

Useful part: Leaves, flower.

Traditional uses: it is used to recovery of serious infection of wound, skin rashes and also used as anti-inflammatory agents.

Biological activity: antioxidant, antibacterial.

Locality: Campus.



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49. *Oldenlandia corymbosa* L.

Family: Rubiaceae

Local name: unknown

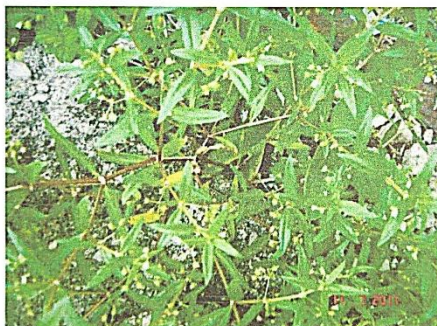
Description: A low-growing small annual plant native to India. It is a dye yielding medicinal plant. It produces two types of flowers. Fl. & Fr. November-March.

Useful part: Roots, leaves.

Traditional uses: A decoction of the root used as febrifuge. The root is used in the treatment of snake-bites. A decoction of the leaves and bark is used as expectorant and is prescribed in cases of bronchial catarrh, bronchitis, tuberculosis and asthma.

Biological activity: Antibacterial, antimycobacterial, anthelmintic.

Locality: Campus



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50. *Parthenium hysterophorus* Linn.

Family: Asteraceae.

Local name: unknown

Description: It invades disturbed land, including roadsides. It infests pastures and farmland, causing often disastrous loss of yield, as reflected in common names such as *famine weed*. In some areas, heavy outbreaks have been ubiquitous, affecting livestock and crop production, and human health. The plant produces allelopathic chemicals that suppress crop and pasture plants, and allergens that affect humans and livestock. It also frequently causes pollen allergies. A study published in 2021 further showed that the plant could promote malaria by supplying much appreciated food and shelter to mosquitoes in Eastern Africa.

Useful part: Not known

Traditional uses: Not known.

Special Issue: Contact with the plant causes dermatitis and respiratory malfunction in humans, and dermatitis in cattle and domestic animals. Among other allelopathic effects of the species, the presence of *Parthenium* pollen grains inhibits fruit set in tomato, brinjal, beans, and a number of other crop plants.

Locality: Campus



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51. *Passiflora edulis* var. *Flavicarpa*

Common name: Stinking passion flower

Family: Passifloraceae

Description: A branched annual or perennial herbaceous vine native to the southwestern United States, Mexico, the Caribbean, Central America, Africa, and much of South America. It is a weed of roadsides, disturbed sites and waste areas. Fl. & Fr. November-May.

Useful part: Whole plant

Traditional uses: The fresh, whole plant is boiled and the liquid used as a children's anthelmintic, for intestinal nematodes and flatworms. A decoction of the dried plant is drunk to treat colds, coughs and tuberculosis. Fluid, pressed from the leaves and stem, is used to improve fertility in women.

Biological activity: Antimicrobial, antibacterial, antioxidant.

Locality: Campus.



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52. *Pennisetum pedicellatum* Trin

Common name: Desho grass

Family: Poaceae

Description: Annuals, Panicles interrupted, fluffy-white or purplish, spikelets, at least one of them pedicelled, native of Ethiopia. It is an aggressive weed. Fl. & Fr. September- December

Useful part: Stem, leaves

Traditional uses: used for treatment of wounds, pain related condition, eye and parasitic infections among the traditional healers in Kebbi State, Nigeria.

Biological activity: Wound healing.

Other uses: P. pedicellatum is widely used as green fodder for cattle and as roof thatch

Locality: Campus.



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53. *Peperomia pellucida* (L.) Kunth

Common name: Slate pencil plant

Family: Piperaceae

Description: Delicate annual herbs, native to South America. Fl. & Fr. September-December.

Useful part: Whole plant

Traditional uses: The whole plant being crushed, mixed with water, heated, and then orally administered to stop haemorrhage. A root decoction used for treatment of fevers and mashed aerial parts applied topically or used as dressing for wounds. The plant is also used to treat abdominal pain, abscesses, acne, boils, colic, fatigue, gout, headache, renal disorders, rheumatic pain, breast cancer, impotence, measles, mental disorders, and smallpox.

Biological activity: Anti-inflammatory, chemotherapeutic, and analgesic

Locality: Campus



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54. *Phoenix sylvestris* (L.) Roxb.

Common name: Wild date palm

Family: Arecaceae

Description: A tree growing to at a slow rate, native to southern Pakistan, most of India, Sri Lanka, Nepal, Bhutan, Burma and Bangladesh. Fl. March- May & Fr. September- October. The single seeded fruit ripens to a purple-red colour.

Useful part: Roots, fruits

Traditional uses: Used to cure various ailments like abdominal complaints, fevers, loss of consciousness, constipation and in heart complaints. The sap of the plant is a laxative and is nutritious and cooling whereas the central tender part of the plant is used in the treatment of gonorrhoea. The root of the plant is useful to treat toothache, nervous debility and helminthiasis.

Biological activity: Antipyretic, cardiogenic, laxative, diuretic and antioxidant.

Locality: Campus



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55. *Phyllanthus fraternus* G.L. Webster

Family: Phyllanthaceae

Description: A small erect annual herb. It is a common weed of wastelands native to the Americas. Fl. & Fr. May-August.

Useful part: Whole plant, roots, leaves, fruits individually also

Traditional uses: Leaves diuretic, whole plant extract laxative, also used to treat gonorrhoea, dropsy, diarrhoea and malaria, fruits used in the treatment of ulcers, wounds, sores, scabies, ringworm and other skin problems, Fresh roots used against jaundice, and crushed with milk used as a galactagogue.

Biological activity: Antimicrobial, antibacterial, antioxidant.

Locality: Campus



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56. *Polyalthia longifolia* (Sonn.) Thwaites

Common name: Debdaru.

Family: Annonaceae

Description: A lofty evergreen tree, native to India commonly planted due to its effectiveness in alleviating noise pollution. It exhibits symmetrical pyramidal growth with willow-like weeping pendulous branches and long narrow lanceolate leaves with undulate margins. Fl. & Fr. March-May/July-September.

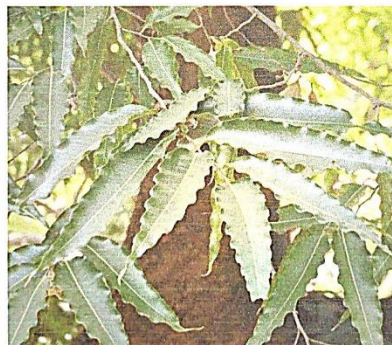
Useful part: Almost all parts

Traditional uses: Used for the treatment of fever, skin diseases, diabetes, hypertension and helminthiasis.

Biological activity: Antioxidant, antimicrobial, anti-inflammatory, cytotoxic, antitumor, antiulcer, and hepatoprotective.

Locality: Botany Department

Locality: Campus



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57. *Saraca asoca* (Roxb.) Wild.

Common name : Ashoke Plant

Family: Fabaceae

Description: The ashoka is a rain-forest tree. Its original distribution was in the central areas of the Deccan plateau, as well as the middle section of the Western Ghats in the western coastal zone of the Indian subcontinent. The ashoka is prized for its beautiful foliage and fragrant flowers. It is a handsome, small, erect evergreen tree, with deep green leaves growing in dense clusters. Its flowering season is around February to April. The ashoka flowers come in heavy, lush bunches. They are bright orange-yellow in color, turning red before wilting. As a wild tree, the ashoka is a vulnerable species. It is becoming rarer in its natural habitat, but isolated wild ashoka trees are still to be found in the foothills of the central and eastern Himalayas, in scattered locations of the northern plains of India as well as on the west coast of the subcontinent near Mumbai.

Useful part: Almost all parts

Traditional uses: Used for the treatment of fever, skin diseases, diabetes, hypertension and helminthiasis.

Biological activity: Antioxidant, antimicrobial, anti-inflammatory, antitumor, antileucor, and hepatoprotective.

Locality: Campus.



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58. *Selenicereus undatus* (Haworth) D.R. Hunt

Common name: Dragan fruit.

Family: Cactaceae.

Description: *Selenicereus undatus*, the white-fleshed pitahaya, is a species of the genus *Selenicereus* (formerly *Hylocereus*) in the family Cactaceae and is the most cultivated species in the genus. It is used both as an ornamental vine and as a fruit crop - the pitahaya or dragon fruit. Like all true cacti, the genus originates in the Americas, *S. undatus* originates from Mexico to Honduras;^[4] it may be a hybrid. It is most frequently attributed to the island of Martinique in the West Indies.

Useful part: Almost all parts

Traditional uses: Not known.

Other use: Fruit is delicious.

Biological activity: Antioxidant, antimicrobial, anti-inflammatory, antitumor, antiulcer, and hepatoprotective.

Locality: Campus.



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59. *Spermacoce hispida* L.

Common name: Shaggy button weed

Family: Rubiaceae

Description: It is a perennial creeper, native to the temperate and tropical Asia. Fl. & Fr. May - August.

Useful part: Aerial parts together, roots and leaves individually.

Traditional uses: Commonly used herb in Siddha. It is one of the ingredients of Murivenna. Aerial parts taken as febrifuge, stimulant and tonic. Leaves applied in poultice to treat headache, wounds and sores. A decoction of the leaves considered an astringent and used to treat haemorrhoids. Decoction of the root used as mouth wash. Seeds given in the treatment of diarrhoea and dysentery.

Biological activity: Antidiabetic, anti-hypertensive, hepatoprotective, anti-inflammatory, anti-hyperlipidemic, analgesic, antifungal, anticancer and antioxidant

Locality: Campus



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60. *Sphagneticol trilobata* (L.) Pruski

Common name: Trailing daisy

Family: Asteraceae

Description: A long-lived perennial herb with a prostrate, scrambling or climbing habit native to Mexico, Central America, and the Caribbean. Fl. & Fr. Throughout the year

Useful part: Whole plant

Traditional uses: A strong decoction of the whole plant is used to treat severe chest colds.

Biological activity: Antimicrobial, antioxidant.

Locality: Campus



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61. *Spilanthes acmella* (L.) Murray

Common name: Toothache plant

Family: Asteraceae

Description: Procumbent annuals native to tropical South America. Fl. & Fr. April-November

Useful part: The whole plant, flowers, leaves, roots, stems

Traditional uses: The most traditional use of this plant is to reduce toothache, also for stomatitis (Java), and to heal the wound

Biological activity: Antifungal, Antipyretic, Local anesthetic,

Antioxidant, Analgesic, vasorelaxant, anti-human virus, anti-inflammatory

Locality: Campus



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62. *Strobilanthes ciliatus* Nees

Common name: Lesser Kurinji

Family: Acanthaceae

Description: Shrubs endemic to lower hills of Southern Western Ghats. Annual flowering occurs in this species from December to March.

Useful part: Roots, leaves

Traditional uses: Roots thermogenic, depurative, expectorant and tonic. Also used in conditions like lumbago, sciatica, skin diseases, cough, bronchitis etc. The leaves and bark used as diaphoretic, expectorant, leuko-derma, leprosy and inflammation. Kurinji kuzhambu is a medicinal preparation given for women after delivery for good health. Biological: analgesic, diabetic, cytotoxic.

Biological activity: anti-inflammatory, anti-microbial, antifungal, hepato-protective,

Locality: Campus



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63. *Synedrella nodiflora* (L.) Gaertn

Common name: Cinderella weed

Family: Asteraceae (Sunflower family)

Description: An annual herb native to tropical America. Now a common weed in open fields and cultivated fields. Fl. & Fr. Throughout the year

Useful part: Leaves

Traditional uses: Traditionally used by some Ghanaian communities to treat epilepsy. In Malaysia, it is applied externally to soothe inflammation and to assuage headache. The juice, expressed from the leaves mixed with the seeds of *Nigella sativa*, is used to assuage carache. In India, the leaves are used to treat rheumatism.

Biological activity: Anti-inflammatory

Locality: Campus



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64. *Tephrosia purpurea* (L.) Pers

Common name: Wild indigo

Family: Fabaceae

Description: It is a common wasteland weed, tropical and s Africa, w Asia, Southern China, Indian subcontinent, Malesia, and northern Australia. In many parts it is under cultivation as green manure crop. Fl. & Fr. July- December

Useful part: Whole plant, leaves, roots, fruits

Traditional uses: All parts of the plant have tonic and laxative properties. The dried plant is diuretic and useful in treating bronchitis, liver, spleen and kidney disorders. It is also a blood purifier, in the treatment of boils and pimples. A decoction of the fruit is a treatment against intestinal worms. A fruit extract relieves bodily pains and inflammatory problems. Roots are anthelmintic. The pounded leaves are used against snake-bite.

Biological activity: Antidiabetic, antioxidant, antimicrobial

Locality: Campus



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65. *Tridax procumbens* L.

Common name: Coat button

Family: Asteraceae

Description: A perennial herb that has a creeping stem and pretty daisy-like flowers, native to the tropical Americas. Fl. & Fr. Throughout the year

Useful part: Leaves

Traditional uses: The leaves are antiseptic, haemostatic, parasiticide, also a treatment against bronchial catarrh, dysentery, and diarrhoea. The leaf powder, combined with that of *Cicer arietinum* in a 2:1 ratio, taken orally to treat diabetes. A fine paste of the leaves applied externally to reduce swelling of haemorrhoids and to stop bleeding. The leaf sap applied topically to sores and ulcers.

Biological activity: Anticoagulant, antifungal, antidiarrheal, insect repellent

Locality: Campus



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66. *Turnera ulmifolia* Linn.

Common name: Yellow alder

Family: Passifloraceae

Description: A polymorphic perennial herb, often woody at base, native to Mexico and the West Indies. Fl. & Fr. Throughout the year.

Useful part: Leaves

Traditional uses: The plant is used in indigestion, bronchitis, cold, fever, boils and as a tonic. In India, it has been used for chest ailments, indigestion, biliousness, and rheumatism. In the Bahamas, it is used for sore throat, cold, and as an emmenagogue. In Haiti, it is used in vertigo, dysmenorrhea, haemorrhage, toothache, lumbago, and dyspepsia. In Java, the plant has been used for dysentery. In Mexico, the plant is used as a tonic and for dyspepsia.

Biological activity: Antibacterial

Locality: Campus



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67. *Ziziphus oenoplia* (L.) Miller

Common name: Jackal jujube

Family: Rhamnaceae

Description: Scandent shrubs with recurved thorns, indigenous to a large part of southern Asia, from India and Sri Lanka through Burma, Thailand, Indo-China, and the whole of Malesia. Fl. & Fr. July- November.

Useful part: Roots, stem bark, leaves

Traditional uses: In India, the roots used in Ayurveda. The Konkani peoples of Maharashtra use leaves as a dressing for wounds. In Burma, the stem barks used as a mouthwash for sore throats, dysentery, and for inflammation of the uterus.

Biological activity: Antilisterial, antioxidant.

Other uses: The berries are edible and the bark is used for tanning.

Locality: Whole campus.



69

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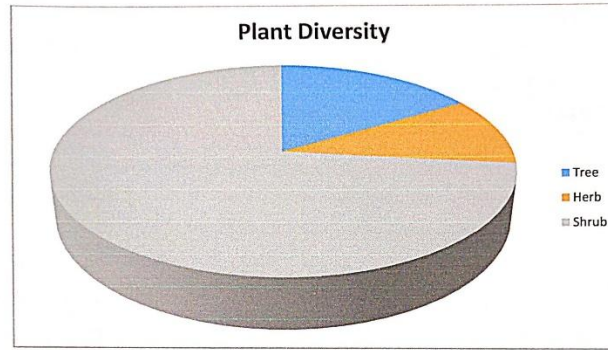
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Habit wise distribution of Plant species

Tree-11

Shrub-07

Herb-49



70

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१५-१६ नवम्बर २०२२
७
द्वि-दिवसीय आन्तर्जातिक आलोचनाचक्र



॥ राममोहनेर बहमात्रिकता ॥

(Rāmamohaner Bhahumātrikatā)

आयोजक : বাংলা বিভাগ, काटोया कलेज

१० शंसापत्र ३२

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महाशय / महाशया-के १५ एवं १६ नवम्बर २०२२ तारिखे বাংলা विभाग, काटोया कलेज आयोजित द्वि-दिवसीय आन्तर्जातिक आलोचनाचक्रे प्रबन्ध उपस्थापक / सभामुखा / बत्रा / अंशग्रहणकारी रूपे उपस्थित थाकार जन्य এই शंसापत्र प्रदान करा हलो।

उपस्थापित प्रबन्धेर विषय Raja Rammohan Roy: A Iconic Figure for Women's emancipation in India.

निर्मलेन्दु सरकार
ड. निर्मलेन्दु सरकार

अध्यक्ष,

काटोया कलेज,

काटोया, पूर्ब बर्धमान, ७१३१३०,

पश्चिमबङ्ग, भारत।

राजेश चन्द्र मंडल

ड. राजेश चन्द्र मंडल

विभागीय प्रधान,

बांग्ला विभाग, काटोया कलेज,

काटोया, पूर्ब बर्धमान, ७१३१३०,

पश्चिमबङ्ग, भारत।

मो: साहबउद्दिन

अध्यापक (ड.) मो: साहबउद्दिन

अध्यापक,

बांग्ला भाषा ७ साहित्य विभाग एवं परिचालक,

इन्टरनेटिशनल कोयारलिटी आन्तरेण सेल,

जातीय करि काजी नजरुल ইসলাম विश्वविद्यालय,

त्रिपाल, मयमनसिंह २२२४, बांग्लादेश।



Signature of the IOAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



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॥ विद्यया विन्दतेऽमृतम् ॥

७५ दि-दिवसीय आन्तर्जातिक आलोचनाचक्र १५-१६ नवेम्बर २०२२



॥ राममोहनेर बहमाप्रिकता ॥

(Rāmamohaner Bāhamāprikatā)

आयोजक : बांला विभाग, काटोया कलेज

६० शंसापत्र

अध्यापक / ड. / श्री / श्रीमती श्रीमती श्यामजिनि
महाशय / महाशया-के १५ एवं १६ नवेम्बर २०२२ तारिखे बांला विभाग, काटोया कलेज आयोजित दि-दिवसीय आन्तर्जातिक आलोचनाचक्रे प्रबन्ध उपस्थापक / सभामुखा / बन्दा / अंशग्रहणकारी रूपे उपस्थित थाकार जन्य এই शंसापत्र प्रदान करा हलो।

उपस्थापित प्रबन्धेर विषय प्रथम आधुनिक पुष्पेय वर्षमान ड़ावत

निर्मलेन्दु सरकार

ड. निर्मलेन्दु सरकार

अध्यापक,

काटोया कलेज,

काटोया, पूर्ब बर्भमान, ७१३१३०,

पश्चिमबङ्ग, भारत।

राजेश चन्द्र मन्डल

ड. राजेश चन्द्र मन्डल

विभागीय प्रधान,

बांला विभाग, काटोया कलेज,

काटोया, पूर्ब बर्भमान, ७१३१३०,

पश्चिमबङ्ग, भारत।

मो: माहाबउदिन

अध्यापक (ड.) मो: साहाबउदिन

अध्यापक,

बांला भाषा ० साहित्य विभाग एवं परिचालक,

इण्टरिनिटिउशनल कोयालिटी आन्डरेफ्ल सेल,

जातीय कवि काजी नज्जुल इस्लाम विशुविद्यालय,

द्विशन, मयमनसिंह २२२४, बांलादेश।



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॥ विद्यया विन्दतेऽमृतम् ॥



॥ Dharmasāstras: Guide to Sustainable Prosperity ॥


Two-day International Seminar 5 & 6 January 2024

Organized by
Department of Sanskrit & IQAC, Katwa College,
Katwa, Purba Bardhaman, 713130, West Bengal, India.


Certificate

This is to certify that Prof. / Dr. / Sri / Smt.
.....
participated as a Resource Person / Paper Presenter / Participant in
the Two-day International Seminar on "Dharmasāstras: Guide to
Sustainable Prosperity" organized by the Department of Sanskrit &
IQAC, Katwa College on 5th & 6th January, 2024.


Title of the presented paper:




Dr. Nirmalendu Sarkar
Principal,
Katwa College,
Katwa, Purba Bardhaman,
713130, West Bengal, India.



Sri Rabinranath Chatterjee
Chief Patron,
President, Governing Body,
Katwa College,
Katwa, Purba Bardhaman, 713130.



Dr. Narayan Chandra Biswas
Honourary Professor,
Department of Sanskrit,
University of Dhaka,
Dhaka- 1000, Bangladesh.



Sri Prosanta Barman
Convener,
Assistant Professor,
Department of Sanskrit,
Katwa College.

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Principal
Katwa College



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॥ Dharmasāstras: Guide to Sustainable Prosperity ॥

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Katwa, Purba Bardhaman, 713130, West Bengal, India.

Certificate

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आर्यकमल कुमर, अशुक्ली तमिलनगर, दार्जिलिंग, कोलकाता, भारत
participated as a Resource Person / Paper Presenter / Participant in
the Two-day International Seminar on "Dharmasāstras: Guide to
Sustainable Prosperity" organized by the Department of Sanskrit &
IQAC, Katwa College on 5th & 6th January, 2024.

Title of the presented paper: 'विद्याया विन्दतेऽमृतम्'

Dr. Nirmalendu Sarkar
Principal,
Katwa College,
Katwa, Purba Bardhaman,
713130, West Bengal, India.

Sri Rabindranath Chatterjee
Chief Patron,
President, Governing Body,
Katwa College,
Katwa, Purba Bardhaman, 713130.

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Department of Sanskrit,
Katwa College.

Two-day International Seminar
5 & 6 January 2024

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॥ विद्यया विन्दतेऽमृतम् ॥



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Katwa, Purba Bardhaman, 713130, West Bengal, India.

Certificate





This is to certify that Prof. Sri / Smt.
भारु. पारुषुत इरुनुसु, सुकुवकुत वरुतुन वुगुनुत वुनुतु

participated as a Resource Person / Paper Presenter / Participant in
the Two-day International Seminar on "Dharmaśāstras: Guide to
Sustainable Prosperity" organized by the Department of Sanskrit &
IQAC, Katwa College on 5th & 6th January, 2024.

Title of the presented paper: 'वुदुधुतु सुकुवकुत वरुतुन वुगुनुत वुनुतु'

KATWA COLLEGE

Two-day International Seminar 5 & 6 January 2024

 Dr. Nirmalendu Sarkar Principal, Katwa College, Katwa, Purba Bardhaman, 713130, West Bengal, India.	 Sri Rabindranath Chatterjee Chief Patron, President, Governing Body, Katwa College, Katwa, Purba Bardhaman, 713130.	 Dr. Narayan Chandra Biswas Honourary Professor, Department of Sanskrit, University of Dhaka, Dhaka- 1000, Bangladesh.	 Sri Prosanta Barman Convener, Assistant Professor, Department of Sanskrit, Katwa College.
--	--	---	--

Signature of the IOAC Coordinator

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॥ विद्यया विन्दतेऽमृतम् ॥



॥ Dharmaśāstras: Guide to Sustainable Prosperity ॥

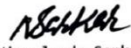
Organized by


Department of Sanskrit & IQAC, Katwa College,
Katwa, Purba Bardhaman, 713130, West Bengal, India.

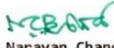
Part 1


This is to certify that Prof. / Dr. / Sri / Smt. Dr. Nirmalendu Sarkar, भारतीय विश्वविद्यालय, इंदौर, भारत, काठवा कॉलेज participated as a Resource Person / Paper Presenter / Participant in the Two-day International Seminar on "Dharmaśāstras: Guide to Sustainable Prosperity" organized by the Department of Sanskrit & IQAC, Katwa College on 5th & 6th January, 2024.

Title of the presented paper: Contribution of Dharmaśāstras to the Indian Knowledge System


Dr. Nirmalendu Sarkar
Principal,
Katwa College,
Katwa, Purba Bardhaman,
713130, West Bengal, India.


Sri Rabindranath Chatterjee
Chief Patron,
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Katwa, Purba Bardhaman, 713130.


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University of Dhaka,
Dhaka- 1000, Bangladesh.


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Convener,
Assistant Professor,
Department of Sanskrit,
Katwa College.

Two-day International Seminar 5 & 6 January 2024

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Katwa College



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Mobile: +918101078393

॥ विद्यया विन्दतेऽमृतम् ॥

4. Recruitment of Security Staffs

Signature of the IOAC Coordinator

Coordinator
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Katwa College

Signature of the Principal

Principal
Katwa College



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॥ विद्यया विन्दतेऽमृतम् ॥

Extract from the proceedings of the meeting of the Governing Body held on 27.01.2022 at 12 Noon at the 2nd Floor of the Administrative Building (Seminar Hall).

Item No: 07

Considering the letter from Rapid Action Protection Bureau (RAPB) dated 12.01.2022 relating to increase of wages, it is resolved that the wages per security guard will be increased by Rs 500/- per month w.e.f February, 2022. It is further resolved that no gunman is presently required and the total number of Security personnel will remain unaltered. The G.B. expresses its dissatisfaction over the service of some of the present security personnel deployed by the Agency and resolves that an undertaking will be obtained from the Agency regarding sincerity in duty of the security personnel deployed by them and the service agreement with the Agency will be terminated on one month's notice without showing any reason.

Dr. Nirmalendu Sarkar
Principal/Secretary
Katwa College
Governing Body

Jameel Fathima Zeba, IAS
President
Katwa College
Governing Body

*Attested
N. Sarkar
30/06/2024*

*Principal
Katwa College
Katwa, Purba Bardhaman*

Signature of the IOAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College