



# Sri Guru Gobind Singh College

SECTOR-26, CHANDIGARH

NAAC RE-ACCREDITED GRADE 'A'

A POSTGRADUATE CO-EDUCATIONAL INSTITUTION AFFILIATED TO  
PANJAB UNIVERSITY, CHANDIGARH  
GOVERNMENT CERTIFIED GREEN CAMPUS



## GURU NANAK SACRED FOREST

A MINI URBAN FOREST WITH NATIVE SPECIES

AN INITIATIVE AMALGAMATING THE ASPECTS OF  
ENVIRONMENTAL SUSTAINABILITY AND HERITAGE AND CULTURAL PRESERVATION

*The Guru Nanak Sacred Forest, an unprecedented and visionary undertaking, was established on the campus with the unwavering support of the Sikh Educational Society, propelled by the dynamic vision of Principal Dr Navjot Kaur, Faculty members and Students of SGGSC*



Technical Support and Guidance:  
Punjab Biodiversity Board,  
O/o PSCST, Chandigarh

# **SRI GURU GOBIND SINGH COLLEGE INITIATED A NOVEL IDEA OF CREATING MINI- URBAN FOREST ON CAMPUS IN APRIL 2019 WITH AN OBJECTIVE TO PROMOTE A SUSTAINABLE ENVIRONMENT**



The College aims to empower the youth to create a better tomorrow and promote India's progressive ideology of G20, Y20 and B20, hence, Innovation, Inclusion and Sustainability are integral parts of the curriculum

Keeping in mind the Sustainable Development Goals announced by the United Nations, the College adopted the Best Practice of Environmental Sustainability to bring to the forefront environmental issues which have a bearing on improving the quality of life, protection of the ecosystem and preservation of natural resources along with representing cultural diversity


















The College, as a socially conscious entity with a vision for the future, has come forward to take measures to preserve the environment by motivating and involving the younger generation in practices beneficial to the environment












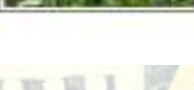
**THIS HABITATION HAS FLOURISHED INTO A NATURAL AIR-PURIFYING DENSE FOREST WITH NEARLY 600 TREES COMPRISING 49 DIFFERENT SPECIES PRESENTLY, PLANTED IN AN AREA OF 180 SQUARE METRES**



# NATIVE SPECIES OF GURU NANAK SACRED FOREST

Local Name	Picture	Scientific Name	Category
Semal		<i>Bombax ceiba</i>	Top Canopy
Bahera		<i>Terminalia bellirica</i>	Top Canopy
Arjun		<i>Terminalia arjuna</i>	Top Canopy
Phulai		<i>Acacia modesta</i>	Tree
Shisham		<i>Dalbergia sissoo</i>	Tree
Jhingan		<i>Lannea coromandelica</i>	Tree
Palash		<i>Butea monosperma</i>	Tree
Babool/ Kikar		<i>Vachellia nilotica</i>	Tree
Sohanjana		<i>Moringa concanensis/ Moringa oleifera</i>	Tree
Jand		<i>Prosopis cineraria</i>	Tree
Roheda		<i>Tecomella undulata</i>	Tree
Jamun		<i>Syzygium cumini</i>	Tree
Gular		<i>Ficus racemosa</i>	Tree
Papri (Indian Elm Tree)		<i>Holooptelea integrifolia</i>	Tree
Desi mango		<i>Magnifera indica</i>	Tree
Harar		<i>Terminalia chebula</i>	Tree

<b>Mahua</b>		<i>Madhuca longifolia</i>	<b>Tree</b>
<b>Pilkhan (White Fig)</b>		<i>Ficus virens</i>	<b>Tree</b>
<b>Neem</b>		<i>Azadirachta indica</i>	<b>Tree</b>
<b>Peepal</b>		<i>Ficus religiosa</i>	<b>Tree</b>
<b>Bargad/Bohar (Indian Banyan)</b>		<i>Ficus benghalensis</i>	<b>Tree</b>
<b>Lasura</b>		<i>Cordia myxa</i>	<b>Tree</b>
<b>Amaltas</b>		<i>Cassia fistula</i>	<b>Tree</b>
<b>Khair/ Katha</b>		<i>Acacia catechu/Senegalia catechu</i>	<b>Tree</b>
<b>Lasora / Goonda</b>		<i>Cordia dichotoma/Cordia myxa</i>	<b>Tree</b>
<b>Chamror</b>		<i>Ehretia laevis</i>	<b>Tree</b>
<b>Kharajal/Pilu/Meswak</b>		<i>Salvadora oleoides</i>	<b>Tree</b>
<b>Meethajal</b>		<i>Salvadora persica</i>	<b>Tree</b>
<b>Dhonk/Dhauk/Dhok</b>		<i>Anogeissus pendula</i>	<b>Tree</b>
<b>Gum Arabic</b>		<i>Acacia Senegal/Senegalia senegal</i>	<b>Tree</b>
<b>Karanj</b>		<i>Millettia pinnata</i>	<b>Tree</b>
<b>Harshingar</b>		<i>Nycanthes arbor-tristis</i>	<b>Shrub</b>
<b>Karir</b>		<i>Capparis decidua/ Capparis decidua</i>	<b>Shrub</b>

<b>Vasaka</b>		<i>Justicia adhatoda</i>	<b>Shrub</b>
<b>Karonda</b>		<i>Carissa carandas</i>	<b>Shrub</b>
<b>Guggul</b>		<i>Commiphora wightii</i>	<b>Shrub</b>
<b>Nirgundi</b>		<i>Vitex negundo</i>	<b>Shrub</b>
<b>Sandalwood</b>		<i>Santalum album</i>	<b>Tree</b>
<b>Clove</b>		<i>Syzygium aromaticum</i>	<b>Tree</b>
<b>Cardamom</b>		<i>Elettaria cardamomum</i>	<b>Tree</b>
<b>Curry leaves</b>		<i>Murraya koenigii</i>	<b>Tree</b>
<b>Sadabahar</b>		<i>Catharanthus roseus</i>	<b>Shrub</b>
<b>Imli</b>		<i>Tamarindus indica</i>	<b>Tree</b>
<b>Sukhchain</b>		<i>Pongamia glabra</i>	<b>Tree</b>
<b>Bael</b>		<i>Aegle marmelos</i>	<b>Tree</b>
<b>Shahtoot</b>		<i>Morus alba</i>	<b>Tree</b>
<b>Kachnar</b>		<i>Bauhinia variegata</i>	<b>Tree</b>
<b>Shisham</b>		<i>Dalbergia sisso</i>	<b>Tree</b>
<b>Kadamb</b>		<i>Neolamarckia cadamba</i>	<b>Tree</b>



**SGGS COLLEGE HAS GARNERED IMMENSE PRAISE AND ACCOLADES FOR  
ITS EXEMPLARY CONTRIBUTIONS TO PROMOTE A  
SUSTAINABLE ENVIRONMENT**



**Certificate of Excellence by Chief Conservator of Forest, Department of Forest and Wildlife, UT Administration, Chandigarh for initiating a novel idea of creating a Mini Urban Forest with Native Species as a model project of this region**

- **The National Green Corps Environment Society Award for three consecutive years by Department of Environment, Chandigarh Administration**
- **The Best Herbal Garden Award for two consecutive years by the Department of Environment, Chandigarh Administration and Yuvaatta NGO**
- **Highest Certificate of Accreditation Grade A+ by National Rural Institutions Sustainability Grading (NRISG), MGNCRE, Ministry of Education, Government of India**
- **R & D Project awarded by the Department of Environment, UT Administration, Chandigarh on "Exploring the Potential of Carbon Neutrality in Chandigarh" aiming to make Chandigarh Carbon free by 2030**

**THE QUALITY OF AIR AS PER AQI INDEX IN THE GURU NANAK SACRED FOREST IS COMPARATIVELY SATISFACTORY AS COMPARED TO THE CHANDIGARH REGION DUE TO THE DENSE GREEN COVER OF FOREST THAT HELPS TO COMBAT CARBON FOOTPRINT**



**AN OBSERVATION AND RESEARCH CENTRE HAS BEEN CREATED IN THE MINI URBAN FOREST WITH NATIVE TREES THAT PROVIDES A PLATFORM FOR INTERDISCIPLINARY RESEARCH BY INVOLVING STUDENTS AND FACULTY OF DIVERSE DOMAINS SUCH AS LITERATURE, HISTORY, RELIGIOUS STUDIES, CHEMISTRY, BOTANY, ZOOLOGY AND BIOTECHNOLOGY**





# BALIHARI KUDRAT HEALING HERBS GARDEN

A DESIGNATED AREA IN THE MINI URBAN FOREST TO  
PLANT SACRED HERBS

IT IS CONTINUOUSLY EXPANDED BY ADDING NATIVE MEDICINAL  
AND HERBAL PLANTS THAT CONTRIBUTE IN HEALING VARIOUS  
AILMENTS



# AUGMENTATION OF THE FOREST WITH NEW NATIVE SPECIES

## ***Plantation of Lasora (April 2, 2019)***

by Mr Dabendra Dalai, Chief Conservator of Forests,  
Department of Forest and Wildlife,  
UT Administration, Chandigarh



## ***Plantation of Desi Beriyan (August 21, 2020)***

by S Kahan Singh Pannu, IAS,  
Secretary, Department of Agriculture and Farmers Welfare Mission  
Director, Tandrust Punjab  
Director, Department of Environment and Climate Change, Govt. of Punjab



## ***Plantation of Bahera (March 09, 2020)***

by S Kundan Singh, father of S Harjit Singh Sajjan,  
Minister of National Defence and Member of Parliament, Canada,  
S Jaswant Singh Khaira, Secretary,  
Akal College Council, Gurusagar Mastuana Sahib, Punjab



## ***Plantation of Harshingar (February 05, 2020)***

by Mr Kanwarpal Gujjar, Minister of Education, Forests  
and Tourism, Haryana,  
Dr (Mrs) Amrinder Kaur, IFS,  
Principal Chief Conservator Forests Haryana,  
Mr TP Singh, IFS, Chief Conservator Forests, Haryana  
Mr Alok Verma, IFS, Principal Chief Conservator  
Forests & WildLife, Haryana



# AUGMENTATION OF THE FOREST WITH NEW NATIVE SPECIES



## **Plantation of Kachnar (September 02, 2020)**

by Dr Harinath Kasiganesa, Former Scientist,  
Defence Research & Development Organization (DRDO)  
Scientist, Agricultural Medicine, Chennai

## **Plantation of Sadabahar (March 20, 2020)**

by S Kamaldeep Sangha, IAS Secretary,  
Punjab State Agricultural Marketing Board & Secretary  
Punjab State Rural Development Board



## **Plantation of Sandalwood (March 14, 2020)**

by Mr Aditya Sharma, Hydrometrologist,  
Central Ground Water Board,  
Ministry of Jal Shakti, Government of India

## **Plantation of Dhak State flower of Chandigarh (September 5, 2021)**

by Mr Abdul Qayum IFS,  
Deputy Conservator of Forests,  
Department of Forest and Wildlife,  
UT Administration, Chandigarh



# AUGMENTATION OF THE FOREST WITH NEW NATIVE SPECIES



## **Plantation of Imli, Bael, Curry leaves (November 19, 2021)**

by S Jaspal Singh Sidhu , President, Chandigarh Rotary Club,  
S Gurdev Singh, President, Sikh Educational Society  
Col (Retd) Jasmer Singh Bala, Secretary, Sikh Educational Society  
S Karandeep Singh Cheema, Joint Secretary, Sikh Educational Society

## **Plantation of Shahtoot, Sukhchain (February 10, 2023)**

by members of Alumni Association of  
Sri Guru Gobind Singh College



## **Plantation of Clove (February 20, 2023)**

by Dr Pritam Singh, DPhil (Oxford),  
Professor Emeritus in Economics,  
Oxford Brookes Business School, Oxford, UK



## **Plantation of Cadamom (February 21, 2023)**

by Prof Sudha Vasan, Head,  
Department of Sociology, Delhi University  
Prof Rukmini Sen, School of Liberal Studies,  
Dr B R Ambedkar University, Delhi



# AUGMENTATION OF THE FOREST WITH NEW NATIVE SPECIES



## ***Plantation of Kadamb (March 21, 2023)***

by Dr Jaspal Singh, Vice Chancellor,  
Guru Nanak Dev University, Amritsar

## ***Plantation of Shisham (March 26, 2023)***

by Dr S Kannan, Director, Radiochemistry & Isotope Group  
and Vice President, IANCAS, BARC, Mumbai  
Prof Annu Sharma, Kurukshetra University  
Dr Taminder Singh, Khalsa College, Amritsar  
Prof BS Bajwa, GNDU, Amritsar



**NATURE TRAIL IS ORGANISED FOR SCHOOL STUDENTS IN THE FOREST TO OBSERVE DIVERSE FLORA AND FAUNA**



**STUDENTS OF NEHRU YUVA KENDRA, CHANDIGARH**



**STUDENTS OF STRAWBERRY FIELDS HIGH SCHOOL, CHANDIGARH**



**STUDENTS OF SRI GURU GOBIND SINGH COLLEGIATE PUBLIC SCHOOL, CHANDIGARH**

# SGGSC BAAZ : Bird Watchers' Society

THE MINI URBAN FOREST HAS BECOME A HUB OF BIODIVERSITY ATTRACTING NUMEROUS SPECIES OF BIRDS WHICH LED TO THE NOVEL INITIATIVE OF CREATING A BIRD WATCHERS' SOCIETY ON CAMPUS INVOLVING STUDENTS AND FACULTY

THE INDIAN GREY HORNBILL, THE STATE BIRD OF CHANDIGARH, IS COMMONLY SEEN IN THE FOREST ON CAMPUS

BAAZ NIRDWATCHERS' SOCIETY IS REGISTERED ON THE EBIRD APP INTRODUCED BY CORNELL LAB OF ORNITHOLOGY, CORNELL UNIVERSITY, USA IN WHICH SGGSC CAMPUS CHECKLIST DATA IS GATHERED AND ADDED WITHIN A SCIENTIFIC CONTEXT

## E-Bird Data of SGGSC College



**Indian Grey Hornbill**  
*Ocyroceros birostris*



**Red-Wattled Lapwing**  
*Vanellus indicus*



**Rose Ringed Parakeet**  
*Psittacula krameri*



**Greater Coucal**  
*Centropus sinensis*



**Lesser Golden Back**  
*Dinopium benghalense*



**Jungle Babbler**  
*Turdoides straita*



**Red-Vented bulbul**  
*Pycnonotus cafer*



**Yellow Bellied Prinia**  
*Prinia flaviventris*



**White-Browed Fantail**  
*Rhipidura aureola*



**Asian Koel**  
*Eudynamys scolopaceus*



**Rufous Treepie**  
*Dendrocitta vagabunda*



**Common Myna**  
*Acridotheres tristis*



**House Crow**  
*Corvus splendens*



**Common Buzzard**  
*Buteo buteo*



**Indian Robin**  
*Saxicoloides fulicatus*



**Brown Headed Barbet**  
*Megalaima zeylancia*

*Virtual Tour of Guru Nanak Sacred Forest*

*<https://youtu.be/KrqbR-8FtEs>*

*for further details :*

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**Sector 26, Chandigarh**