



**Kanoria  
PG Mahila  
Mahavidyalaya  
Jaipur**

## **24. Workshop on Capacity Building for Assessing Jaipur City Biodiversity Index 2019**

**Date: 16-11-2019**

### 1. Brochure:

26

**REGISTRATION FORM**

Dr., Mr./Ms. \_\_\_\_\_

Designation \_\_\_\_\_

Department \_\_\_\_\_

Full Postal Address \_\_\_\_\_

Pin Code \_\_\_\_\_

E-Mail \_\_\_\_\_

Mobile Number \_\_\_\_\_

Date: \_\_\_\_\_ (Signature) \_\_\_\_\_

Address for Correspondence \_\_\_\_\_

Dr. Ritu Jain  
Mobile No.: 94605-01085  
E-Mail: riturajeeeshjain@gmail.com

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Dr. Sumita Shekhawat  
Mobile No.: 94142-79556  
E-Mail: drsumitashewat10@gmail.com

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**Kanoria PG Mahila Mahavidyalaya**  
Jawahar Lal Nehru Marg, Jaipur - 302015, Rajasthan, India  
Contact No : 7250037659, 0141-2797539, 2706672  
College E-Mail : admin@kanoriacollege.in  
Website : www.kanoriacollege.in

Note:  
• Participants are requested to make their own arrangements for accommodation.  
• Kindly check website of the college for any updates:  
[www.kanoriacollege.in](http://www.kanoriacollege.in)

**PROGRAMME SCHEDULE**

Registration : 09:00 am - 10:00 am  
Inaugural Session : 10:00 am - 10:30 am

**Chief Guest**  
Shri Pradeep Kumar Borad  
Commissioner, College Education Rajasthan, Jaipur

Technical Session-I : 10:30 am - 12:00 noon  
**Shri G.V Reddy, Chairman, State Biodiversity Board**  
(Topic: Biodiversity Significance and Human Wellbeing)  
Shri Devendra Kr. Bhaardwaj  
(Topic: Biodiversity of Rajasthan)

Tea Break : 12:00 noon - 12:15 pm  
Technical Session-II : 12:15 pm - 02:30 pm  
**Shri Sunil Chidri**  
(Topic: City Biodiversity Index)


**Shri Arijit Benerjee**  
(Topic: Bird Diversity of Jaipur including Wetlands of Jaipur)  
**Dr. Soumana Dutta & Ms. Shirati Sharma**  
(Topic: Jaipur Floral Biodiversity)

Lunch Break : 02:30 pm - 03:00 pm  
Technical Session-III : 03:00 pm - 04:30 pm  
**Shri Sunil Chidri**  
(Topic: Planning for the Jaipur Biodiversity Index)

Open Discussion : 04:30 pm - 05:00 pm  
Valedictory Session : 04:30 pm - 05:00 pm

**Chief Guest**  
Prof. Kailash Agrawal (Retd.)  
Department of Botany, University of Rajasthan, Jaipur

**Venue**  
**Auditorium**  
**Kanoria PG Mahila Mahavidyalaya Campus**




Workshop


for

*Capacity Building*  
*for Assessing Jaipur City*  
*Biodiversity Index 2019*  
**16<sup>th</sup> November 2019**


In collaboration with




GOVERNMENT OF RAJASTHAN  
Rajasthan State Biodiversity Board



Organized by



**Kanoria PG Mahila Mahavidyalaya**  
**Jaipur**





**Kanoria  
PG Mahila  
Mahavidyalaya  
Jaipur**

Kanoria PG Mahila Mahavidyalaya was established in 1965 by Lt. Bhagirath Kanoria in aesthetic environs at Jawahar Lal Nehru Marg as the first institution of higher education for women through grant-in-aid from the Govt. of Rajasthan.

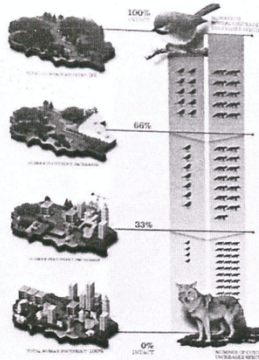
The college has earned a prestigious reputation of harnessing a progressive outlook towards education by introducing new courses at UG and PG level, from time-to-time, skill enhancement and career oriented courses, like Organic Farming, Cyber Security, Psychological Assessment, Art and Craft Design etc. By making concerted efforts to collaborate with Govt. Organizations, NGOs and premier institutions, the college has been inculcating critical abilities, a scientific temper and an analytic and reflective approach in students.

**About the Workshop**

Biodiversity is the sum of life on earth, plants, animals and microbes encompassing all levels of biological organization from genomes to species to ecosystems. Conservation of biodiversity is vital not only because it provides several goods and services necessary for human survival, but also for the reasons that it is directly linked with providing livelihoods to and improving socio-economic conditions for millions of local people, thereby contributing to sustainable development and poverty alleviation.

City Biodiversity Index (CBI) is also referred as the Singapore Index (SI). It is a self-assessment tool for cities, to evaluate and monitor the progress of their biodiversity conservation efforts against their own individual baselines. It comprises 'Profile of the City', which provides background information on the city and the 23 indicators that measure native biodiversity, ecosystem services provided by biodiversity and governance and management of biodiversity based on guidelines and methodology.

To address and sensitize the key stake holders, who may aid in development of CBI, a Capacity Building Workshop is planned.



**Registration Fee**

|                                   |           |
|-----------------------------------|-----------|
| Faculty Member & Research Scholar | Rs. 200/- |
| Student (PG)                      | Rs. 100/- |

- The participants are requested to remit the registration fee in cash to organizing committee.

*Seenu*  
PRINCIPAL  
KANORIA PG MAHILA MAHAVIDYALAYA  
JAIPUR

**Chief Patron**  
Dr. Rashmi Chaturvedi  
Director  
Kanoria PG Mahila Mahavidyalaya, Jaipur

**Convener**  
Dr. Seema Agrawal  
Principal  
Kanoria PG Mahila Mahavidyalaya, Jaipur

**Co-Convener**  
Dr. Ratna Saxena  
Head  
Department of Zoology  
Kanoria PG Mahila Mahavidyalaya, Jaipur

**Organizing Secretary**  
Dr. Ritu Jain  
Assistant Professor  
Department of Botany  
Dr. Sunita Shekhawat  
Associate Professor  
Department of Zoology

**Organizing Committee**

Dr. Ranjula Jain  
Dr. Neelam Bageshwari  
Dr. Ranjana Agarwal  
Dr. Sarika Kaul  
Dr. Reema Srivastava  
Dr. Aparna B. Rathore  
Ms. Yogita Solanki  
Dr. Richa Chaturvedi  
Ms. Anamika Singh  
Dr. Shipra Goyal  
Dr. Chetna Sharma

Kanoria PG Mahila Mahavidyalaya  
Jaipur

## 2. List of resource person/guests:


1. Sh. Pradeep Kumar Borad, Commissioner, College Education Rajasthan, Jaipur
2. Dr. G.V. Reddy, Chairman, Rajasthan State Biodiversity Board, Jaipur
3. Sh. Devendra K. Bhardwaj, Sr. Retired Forest Officer
4. Ms. Shruti Sharma, IFS, Additional Principal, Chief Conservator of Forest, NTPF Jaipur
5. Sh. N.C. Jain, Principal Chief Conservator of Forest and Director, Rajasthan Forest and Wildlife Training Institute, Jaipur
6. Sh. Sunil Chidri (IFS), Conservator of Forest, JDA, Jaipur
7. Sh. Manoj Kulshrestha, Plant Breeder, Genetics and Ornithologist



**Kanoria  
PG Mahila  
Mahavidyalaya  
Jaipur**


### 3. Geotagged photograph of the event:



 26.88635, 75.81223

**Dignitaries of the Workshop**



 26.88635, 75.81223

**Participants of the Workshop**



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Kanoria PG Mahila Mahavidyalaya, Jaipur

**PRINCIPAL**  
**KANORIA PG MAHILA MAHAVIDYALAYA**  
**JAIPUR**

**Workshop**  
on  
**Capacity Building for Assessing**  
**Jaipur City Biodiversity Index 2019**  
16<sup>th</sup> November, 2019

**Report**  
Generating awareness for the need of building Jaipur City Biodiversity Index was the core issue discussed in a one-day workshop on 'Capacity Building for Assessing Jaipur City Biodiversity Index 2019' organized by Kanoria PG Mahila Mahavidyalaya, Jaipur in collaboration with Rajasthan State Biodiversity Board, Government of Rajasthan, Jaipur on 16<sup>th</sup> November, 2019.

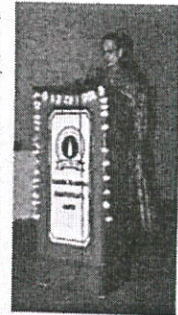


A total of 190 participants from various sections of the society like College Faculty, School Teachers, Research Scholars, Post Graduate students and officials from Forest Department, Jaipur Development Authority, Nagar Nigam and Smart City Mission, Jaipur attended the workshop.

The inaugural session began with the welcome speech by the Principal, Dr. Seema Agrawal. She expressed hope that this workshop would definitely help in developing a City Biodiversity Index as a tool to assess the biodiversity within the Jaipur city area for its conservation and also thanked the dignitaries for glorifying the inaugural session.



Dr. Ritu Jain, Organizing Secretary of the programme presented the theme of the workshop by introducing the concept of urban biodiversity conservation, city biodiversity index and the importance of student involvement in biodiversity index assessment.



We were fortunate to have amongst us Shri Pradeep Kumar Borad, Commissioner, College Education Rajasthan, Jaipur as a Chief Guest. He addressed the gathering by emphasizing on the importance of biodiversity by quoting example of butterfly and the role of Indian mythology in biodiversity conservation.



Dr. G. V. Reddy, Chairman, Rajasthan State Biodiversity Board, Jaipur addressed the gathering by a brief introduction about 'City Biodiversity Index' along with the need to develop and monitor it.



The city biodiversity index is important as a social responsibility, to improve our skills for biodiversity indexing and to make our city clean, green and protect it from adverse effects of climate change and biodiversity loss. The first Technical Session was chaired by **Dr. G.V. Reddy, Chairman, RSBB**. In the session, Dr. G. V. Reddy spoke on the topic '**Biodiversity Significance and Human Wellbeing**' in which he focused on the importance of '**Vasudhaiv Kutumbakam**' where in all 164 countries stood up for a common goal of sustainable development. He also enlightened the audience with the 17 sustainable development goals which all together show universality, integration and transformation. He linked sustainability goals to the city biodiversity index. He also discussed about Smart City Mission to transform nation and elements of human wellbeing comprising of all the four ecosystem services provided by the ecosystems – provisional, regulating, cultural and supporting services. He concluded with the noble words stating that Jaipur City has to be made self-reliant, so biodiversity indexing is needed to be done every year for biodiversity identification in order to fulfill the purpose of biodiversity conservation.

**Shri Devendra K. Bhardwaj, Senior Retired Forest Officer** in his lecture on '**Biodiversity of Rajasthan**' explained



various aspects of biodiversity along with different levels of biodiversity i.e. genetic level, species/population level, community/ ecosystem level and landscape/regional level along with importance of biodiversity. He illustrated the direct uses (food, fuel, paper, fiber etc.) and indirect uses (soil and water conservation, nutrient cycling, pollination, seed dispersal etc.) of biodiversity.

He also highlighted the threat to biodiversity and the role of rich traditions for forest conservation – marking trees as sacred, creating sacred grooves and religious practices like Kesar Chanta for tree protection. He also acquainted us with the Rajasthan Biodiversity comprising of 3000 known species of flora and fauna. He also highlighted the rare, endangered and threatened species of Rajasthan.

In the Technical Session- II, **Ms. Shruti Sharma (IFS), Additional Principal Chief Conservator of Forest, NTPF, Jaipur**, briefly



highlighted the role of students in sustainability study and importance of forest bathing. She spoke on '**Jaipur City Biodiversity**' and highlighted the rich biodiversity spaces of Jaipur and important tree species like *Acacia auriculiformis*, *A. mangium*, *Adansonia digitata*, *Albizia lebbek*, *A. procera*, *Alstonia*, *Bauhinia accuminata*, *B. blake*, *B. purpurea*, *B. tomentosa*, *Bixa orellana*, *Bombax ceiba*, *Boswellia serrate*, *Callistemon*, *Cassia siamea*, *C. spectabilis*, *Ceiba pentandra*, *C. speciosa*, *Delonix*, *Erythrina*, *Ficus*, *Limonia*, *Tamarindus*, *Terminalia arjuna* and *Tecomella undulata*. She suggested that we should gift plant saplings on special occasions as an initiative to conserve biodiversity.

Seema  
**PRINCIPAL**  
**KANORIA PO MANILA MAHAVIDYALAYA**  
**JAIPUR**

**Shri N. C. Jain, Principal Chief Conservator of Forest and Director, Rajasthan Forest and Wildlife Training Institute, Jaipur** in his speech encouraged the gathering for active participation in city biodiversity indexing, developing zero waste areas and also for



reducing waste, so that biodiversity may return to us in its natural state.

After the lunch break, we began our Technical Session-III which was chaired by **Shri Sunil Chidri (IFS), Conservator of Forest, JDA, Jaipur** who in his lecture on City Biodiversity Index (CBI) explained the Singapore Index (SI)



in city biodiversity comprising of city profile and 23 indicators to measure native biodiversity, ecosystem services provided by biodiversity and governance as well as management of biodiversity based on guidelines and methodology which would lead to better policy outcome through better communication and strong network. SI is a self-assessment tool for cities to evaluate and monitor the progress of their biodiversity conservation efforts against their own individual baselines. The basic data required for indexing is the profile of city including area geographic, demography, density, Gross National Product (GNP) and per capita income.

**Shri Manoj Kulshreshtha, Plant Breeder, Genetics and Ornithologist** in his topic '**Birds of Jaipur and its Environs**' discussed about



the important wetlands of India and their conservation priorities. He spoke about various wetlands in Rajasthan like Padampura, Kanota Sambhar Lake, Chandlai Lake, Mansagar Lake, Kishangarh Wildlife Sanctuary and many forest locations where number of bird species – residential as well as migratory have been recorded. He also mentioned about various bird species like Egret, Heron, Reed warbler, Quail, Francolin, White Breasted Waterhen, Kingfisher, Dove, Bulbul, Robin, Warbler, pied bushchat, sparrow and many more. He finally stated that bird watching should be done regularly and effectively. In the end, **Shri Sunil Chidri** interacted with the students and encouraged the participants to willingly volunteer themselves for preparation of Jaipur City Biodiversity Index. For this purpose, the students would be enrolled for any one indicator to measure native biodiversity according to their choice.



The Valedictory Session was presided over by the Chief Guest, Prof. Kailash Agrawal, Former Head, Department of Botany, University of Rajasthan, Jaipur. He



concluded the session by his remarks on biodiversity management, conservation and biodiversity indexing. He said that CBI should remain credible and flexible. Although, some technologies are available and few organisations are also working in this area. But, still some research is required at institutional level for biodiversity conservation, soil conservation, rejuvenation of extinct species and for check on invasive species. Organic farming and indigenous knowledge further strengthen biodiversity conservation strategy. He further added that CBI is a social activity and should be encouraged at school and college level by forming eco-clubs and also by incorporating in the syllabus. He concluded his speech with golden words of Shri M.S. Swaminathan 'If conservation of natural resources goes wrong, nothing would go right'.



Dr. Sunita Shekhawat, Organizing Secretary presented a brief report of the workshop.



The workshop was concluded by a formal vote of thanks by Dr. Anamika Singh, Assistant Professor, Department of Geography. She cordially thanked all the dignitaries, faculty and students for their active participation.



### Glimpse of the Workshop



*Leena*  
PRINCIPAL

Completed by Sunita Shekhawat, Dr. Rita Jain and Dr. Aparna B. Rathore

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