



**NATIONAL SEMINAR**  
**ON**  
*“Ecology Vs Economic  
Development with special  
reference to the Ganga Basin  
(NEED-2023)”*

**25<sup>th</sup>-26<sup>th</sup> February, 2023,**

**Prayagraj, U.P.**

# *Brief Summary Report*

## **National Seminar**

*On*

*“Ecology Vs Economic Development with special reference  
to the Ganga Basin (NEED-2023)”*

**25<sup>th</sup>-26<sup>th</sup> February, 2023**

*Organized by:*



**Department of Zoology  
Nehru Gram Bharati  
(Deemed to be University),  
Kotwa-Jamunipur-Dubawal, Prayagraj,  
Uttar Pradesh**

*In Association with:*



**ICAR-Central Inland Fisheries Research  
Institute, (CIFRI),  
Barrackpore, West Bengal**

**&**



**Kalash Research & Welfare Society,  
Prayagraj, Uttar Pradesh**

## GENERAL INFORMATION:

- **Name of the Department:** Department of Zoology
- **Date and time of the Seminar:** 25<sup>th</sup> -26<sup>th</sup>, February, 2023
- **Theme/Topic of the Seminar:** (See attached brochure)
- **Sponsorship :** ICAR- CIFRI, Barrackpore Govt. of India, Kalash Society, Prayagraj, NGBDU, Prayagraj

11. Prof. K.P. Singh University of Allahabad, Prayagraj
12. Dr. Neeraj Kumar, Exec. Secretary, NASI, Prayagraj
13. Prof. Indu Singh, KNIPSS, Sultanpur, U.P.
14. Dr. D. Kumar Ex Dir. ICAR-CIFE, Mumbai
15. Dr. M. Sinha, Ex. Dir., ICAR-CIFRI, Barrackpore
16. Dr. K.K. Vass, Ex. Dir., ICAR-CIFRI, Barrackpore
17. Dr. A.P. Sharma, Ex. Dir. ICAR-CIFRI, Barrackpore
18. Dr. U. K. Sarkar, Director, ICAR-NBFGR, Lucknow
19. Dr. K.D. Joshi, ICAR-NBFGR, Lucknow
20. Prof. Rachna Nautiyal, Asstt. Director, Higher Edu. UK
21. Dr. Nitin Kaushal, WWF, India
22. Dr. B.K. Dwivedi, BIOVED, Prayagraj, U.P.

### Local Advisory Committee

1. Dr. Anita Singh, NGB(DU), Prayagraj, U.P.
2. Dr. Adi Nath, NGBU (DU), Prayagraj, U.P.
3. Dr. Vikram Singh, NGB(DU), Prayagraj, U.P.
4. Dr. Archana Shukla, NGB(DU), Prayagraj, U.P.
5. Dr. M.A. Hassan, ICAR-CIFRI, Barrackpore, WB
6. Dr. S.K. Nag, ICAR-CIFRI, Barrackpore, WB
7. Dr. B.K. Behera, ICAR-CIFRI, Barrackpore, WB
8. Dr. B.K. Bhattacharya, ICAR-CIFRI, Guwahati
9. Dr. Preeti Panikkar, ICAR-CIFRI, Bangaluru
10. Dr. Archana Sinha, ICAR-CIFRI, Kolkata
11. Dr. S.K. Manna, ICAR-CIFRI, Barrackpore
12. Dr. Anu Pandit, ICAR-CIFRI, Barrackpore
13. Dr. Dibakar Bhakta, ICAR-CIFRI, Barrackpore
14. Dr. Subas P. Kamble, ICAR-CIFRI, Vadodara
15. Prof. S.V. Dwivedi, Banda Agri. University, Banda
16. Dr. Shashi Kant, Tripathi, KAPGC, Prayagraj
17. Dr. Ganesh Chandra, ICAR-CIFRI, Barrackpore
18. Dr. P.K. Rai, SHUATS, Prayagraj, U.P.
19. Dr. Jitendra Kumar, ADF, Bahraich, U.P.
20. Dr. Govind Chaudhary, ICAR-KVK, Bhadohi, U.P.
21. Dr. Akhilesh Tripathi, KAPGC, Prayagraj
22. Dr. Anuj Dwivedi, NIH Roorkee, Uttarakhand
23. Dr. V.P. Semwal, Tehri, Uttarakhand
24. Dr. Ranjan Singh, ICAR-NBFGR, Lucknow
25. Prof. S.V. Dwivedi, Banda Agri. University, Banda
26. Dr. Sandeep Gore, Fisheries College, Nagpur



### Barru (Deemed to be University)

was laid in the village Jamanpur -Kotwa in the Phulpur parliamentary constituency by late Pt. Jovharlal Nehru in 1962 with a dream to establish a center of higher learning in rural India. The vision of Pt Nehru has been translated into action through philanthropic leadership and efforts of Shri J. N. Misra leading to establishment of present University which was declared as Deemed to be University in the year 2008. Presently, NGB (DU) has close to more than 500 teaching and administrative staff, more than 5000 UG & PG students, 400+ research scholars with 26 Departments ranging from traditional subjects to professional courses and special education courses to develop trained manpower for teaching children with disabilities. NGB (DU) endeavours to offer training and teaching to disadvantaged section of society including women, scheduled caste and scheduled tribes.

### ABOUT ICAR-CENTRAL INLAND FISHERIES RESEARCH INSTITUTE

ICAR-Central Inland Fisheries Research Institute (CIFRI) is ISO 9001:2008 certified Institute strives for knowledge-based management of inland open waters for sustainable fisheries, conservation of aquatic biodiversity, integrity of ecological services and to derive social benefits from these waters. Government of India established Central Inland Fisheries Research Station at Calcutta on 17 March 1947, under the then MoA, later, in 1959, Central Inland Fisheries Research Institute came under existence under the administration of the Indian Council of Agricultural Research, MoA, New Delhi. Headquarters of the Institute is located at Barrackpore, WB, and six Regional Research Centers.

### ABSTRACT SUBMISSION

Abstract should not exceed more than 300 words for oral/poster presentation. It should be submitted to the Organizing Secretary latest by February 15<sup>th</sup>, 2023 & full-length paper by March 10<sup>th</sup> 2023 for proceedings via email: needganga2023@gmail.com

**ACCOMMODATION:** The arrangements of stay will be available only to the earlier registered participants on the advance payment basis.

**How to Reach Venue:** Day 1: NGB(DU): Located 18 km away from Prayagraj Railway, 13 km from Civil Lines Bus station and 35 km away from Banaradi Airport. Day 2: ICAR-CIFRI, Prayagraj, Uttar Pradesh.

## REGISTRATION FORM

### National Seminar

On

*“Ecology Vs Economic Development with special reference to the Ganga Basin” (NEED-2023)*

25<sup>th</sup> - 26<sup>th</sup> February, 2023

Department of Zoology

Nehru Gram Bharati (Deemed to be University), Prayagraj, Uttar Pradesh

And

ICAR-Central Inland Fisheries Research Institute, Prayagraj, Uttar Pradesh

Name.....Sex.....

Age.....

Designation.....

Address.....

Telephone.....Fax.....

Oral.....Poster.....

Mode of Journey: (Train/Flight No.).....

Date of arrival.....

Date of departure.....

Payment Detail:.....

**N.B: Mode of Payment: online/NEFT/RTGS/DD**

**Account Details : Nehru Gram Bharati University**

**Account Number : 66630200000126**

**IFSC Code :BARB0VJHGNJ**

**(Fifth character is zero)**

**Bank Name :Bank of Baroda, Hanumanganj**

Registration Fee:

Category	Registration Fee (₹)	
	Before :10.02.23	On spot
Faculty/Scientist	1000	1500
Research Scholar	800	1000
Post Graduate students	300	500
Corporate Person	2000	3000

**Contact Person: 1. Dr. Asheesh Shivam Mishra 7007912932, 2. Dr. Dharm Nath Jha, 9956610404 Email: needganga2023@gmail.com**

## National Seminar

On

*“Ecology Vs Economic Development with special reference to the Ganga Basin”*

(NEED-2023)

25<sup>th</sup>-26<sup>th</sup> February, 2023



Organized by:

Department of Zoology

Nehru Gram Bharati

(Deemed to be University),

Kotwa Jamanpur-Dubawal

Prayagraj, Uttar Pradesh

In Association with:

ICAR-Central Inland

Fisheries Research

Institute (CIFRI),

Barrackpore, West Bengal

&

Kalash Research &

Welfare Society,

Prayagraj, Uttar Pradesh

Venue:

Day 1, Shashi Campus, NGB(DU), Prayagraj,

Uttar Pradesh

Day 2: ICAR-CIFRI, Prayagraj, Uttar Pradesh

benefits of ecosystem and how we can use Earth's resources in ways that leave the environment healthy for future generations. The species richness of living organism in the ecosystem i.e. Biodiversity occurring as an interacting system in a given habitat. Biodiversity cannot be replaced because the species become adapted in a given habitat over a long course of evolution. That is why, due to plasticity in their nature and unsustainable resource utilization. If a species is extinct means whole of the gene pool is lost. The real value of biodiversity lies in the information's that are encoded in the genes. Therefore, there is urgent need to protect the biodiversity from the destruction for the safety of future. Climate change is currently one of the most pressing environmental issues facing the international community, the business world, and individual citizens. Various economic developmental activities like hydroelectric projects, stone mining/sand mining, irrigation, forestry, camping and rafting etc. exit in the Ganga River basin, within directly & indirectly affecting biodiversity.

Over the last 30 years, humans have changed ecosystems more rapidly and extensively than in any comparable period of time in human history. The role that computational tools and technology can play in helping monitor, model and respond to the challenges in the economic development. The aim of the conference is to bring together scientists, environmentalists, researchers, students and other professionals in order to address and discuss various current issues and their mitigation strategies and solutions. We are confident that NEED-2023 will provide platform to scientists/researchers/technologists/Science community and policy makers across the nation for sharing their findings in the field of ecology and economic as well as technology with respect to Ganga basin.

### THRUST AREA OF SEMINAR

1. Emerging threats to Ecology
2. Conservation and management of Fisheries Resources
3. Conservation of biodiversity
4. Role of education and technology for resilient climate and agriculture
5. Impact of ecology on socio-economic aspects

**N.B:** Kalash Research & Welfare society, Prayagraj invites researchers for various awards. Eligible candidate may apply in format and send to society along with the registration form

Research & Welfare society, Prayagraj, Uttar Pradesh

### ORGANIZING COMMITTEE

Patron (s)

Sri J.N. Mishra

Chancellor, NGB (DU),

Prayagraj, U.P.

Dr. J. K. Jena

DDG (Fishery Science),

ICAR, New Delhi

Co-Patron (s)

Prof. S. K. Srivastava

Vice Chancellor,

NGB(DU), Prayagraj U.P.

Dr. B.K. Das

Director, ICAR-CIFRI,

Barrackpore, West Bengal

Chairman (s)

Dr. S.C. Tiwari

Pro VC, NGB(DU), Prayagraj

Dr. S. Samanta

HOD, ICAR-CIFRI, Barrackpore

NGB(DU), Prayagraj

Org. Secretary (s)

Dr. Asheesh Shivam Mishra

NGB(DU), Prayagraj

Dr. Dharm Nath Jha

ICAR-CIFRI, Prayagraj

Co-Organizing

Secretary (s)

Dr. A.C. Dwivedi, NGB (DU)

Dr. Sukrat Sinha NGB (DU)

Dr. A. Alam, ICAR-CIFRI, Prayagraj

Dr. V.R. Thakur, CIFRI, Prayagraj

Dr. R.K. Manna ICAR-CIFRI, BKP

Dr. R.P. Ojha, NGB (DU)

Convener (s)

Dr. Kiran Gupta, NGB (DU)

Dr. A. K. Sahoo ICAR-CIFRI,

Barrackpore, West Bengal

Shri J. Kumar ICAR-CIFRI, PRG.

### NATIONAL ADVISORY COMMITTEE

1. Prof. S.P. Singh, Former VC HNBGU, Srinagar, UK
2. Dr. W.S. Lakra, Ex. Director, ICAR-CIFE, Mumbai
3. Prof. Prakash Nautiyal, HNBGU, Srinagar, UK
4. Prof. V.P. Singh, University of Taxes, USA
5. Prof. A.R. Yousuf, University of Kashmir, J & K
6. Dr. S.K. Dwivedi, Asst. Commis., MoFD, New Delhi
7. Prof. B.N. Panday, Bhagalpur University, Bihar
8. Prof. S. Sundaram, Allahabad University, Prayagraj
9. Prof. A. Gopesh, Allahabad University, Prayagraj
10. Prof. Vinod Tare, IITK, Kanpur, U.P

## **ABOUT THE SEMINAR:**

Ecology is the study of the relationships between living organisms, including humans, and their physical environment. It also provides information about the benefits of ecosystems and how we can use Earth's resources in ways that leave the environment healthy for future generations. The species richness of living organism in the ecosystem i.e. Biodiversity occurring as an interacting system in a given habitat. Biodiversity cannot be replaced because the species become adapted in a given habitat over a long course of evolution. That is why, due to plasticity in their nature and unsustainable resource utilization. If a species is extinct means whole of the gene pool is lost. The real value of biodiversity lies in the information's that are encoded in the genes. Therefore, there is urgent need to protect the biodiversity from the destruction for the safety of future. Climate change is currently one of the most pressing environmental issues facing the international community, the business world, and individual citizens.

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## Report of the National Seminar – NEED 2023

National seminar on Ecology Vs. Economic Development with special reference to the Ganga basin (NEED-2023) was organized on 25<sup>th</sup> to 26<sup>th</sup>, February 2023. This seminar was jointly hosted by Nehru Gram Bharati (Deemed to be University), Prayagraj and regional office of ICAR- Central Inland Fisheries Research Institute (CIFRI), Prayagraj.

**First day (25<sup>th</sup> February 2023): Shashi Campus, Jhooti Tali, NGB(DU), Prayagraj**

### **Inaugural Session: 10:30 am to 12:30 pm**

The Inaugural Session was conducted during 10:30 am to 12:30 pm. The session was started with lighting of the lamp and garlanding of Goddess Saraswati Maa. After this, music Dept. of the NGBDU presented Vandana song of Goddess Saraswati and NGB University Kul Geet. This session was chaired by Hon'ble Vice Chancellor, NGBDU Prof. S.K. Srivastava, while the Chief guest of the session was Dr. Dilip Kumar, FAO Advisor, Ex Vice -Chancellor/Director, Central Inland Fishery Education, Mumbai. On this occasion Dr. B.K. Das, Director, ICAR-CIFRI, Barrackpore was special guest and Prof. Prakash Nautiyal, Head, Dept. of Zoology, HNB Garhwal (Central) University, Srinagar, Uttarakhand was guest of honour. Dr. Sandeep Behra, Consultant Biodiversity Group, National Mission for Clean Ganga (NMCG), New Delhi was also guest in the session. Hon'ble Pro Vice Chancellor, NGBDU Dr. S.C. Tiwari and Mr. R.L. Vishwakarma, Registrar of the NGBDU were also present. In this session a Keynote lecture was delivered by Dr. B. K. Das, Director, ICAR-CIFRI. He emphasized about “**Ecology and fisheries of Indian rivers: way for conservation**”.

### **Technical Session I: 12:45pm– 14:15 pm**

In the technical session -I, **Prof. Prakash Nautiyal**, Head, Dept. of Zoology, HNB Garhwal (Central) University, Srinagar, Uttarakhand gave his invited lecture on “**Hydro power development in the Himalayan realms: status of Golden Mahseer and benthic communities**”. The session was chaired by Dr. B.K. Das and Co-Chaired by Dr. Hemlata Pant. The rapporteurs of the session were Dr. Anita Singh, NGB(DU) and Dr. Jeetendra Kumar, ICAR-CIFRI. In this session total 10 abstracts were presented.

### **Technical Session II: 15:15pm– 16:45pm**

In the technical session -II, **Dr. Sandeep Behra**, Consultant Biodiversity Group, National Mission for Clean Ganga (NMCG), New Delhi, gave his invited lecture on **“Ecology and society: Navigating the Challenges”**. Prof. Prakash Nautiyal and Dr. Neeshma Jaiswal were chairperson and Co-chair, respectively for this session. Dr. Anita Singh, NGB(DU) and Dr. Jeetendra Kumar were performed rapporteurs. In this session total 10 abstracts were presented.

### **Cultural Programme: 17:00pm– 18:00pm**

Department of Music, NGBDU has presented a cultural programme for the participants in the Newly Constructed Open air Theatre.

### **Second day (26<sup>th</sup> February 2023): ICAR-CIFR, Prayagraj**

### **Technical Session III: 10:00am– 11:00am**

In the technical session -III, **Dr. S. Samanta**, Principal Scientist, ICAR-CIFRI, Barrackpore gave his invited lecture on **“Metal Contamination In River Ganga: Present Scenario”**. The session was chaired by Dr. K.D. Joshi and co-chaired by Dr. V.P. Semwal. The rapporteur was Dr. S.C.S. Das, ICAR-CIFRI, Guwahati. Total 10 abstracts were presented.

### **Technical Session IV: 11:00am– 12:00pm**

In the technical session -IV, **Dr. K.D. Joshi**, Ex Principal Scientist, ICAR-NBFGR, Lucknow gave his invited lecture on **“Climate change and it's potential impacts on open water fisheries”**. The Session was chaired by Dr. Dilip Kumar, Ex-Dir, CIFE Mumbai and Co-Chaired by Dr. Samanta, CIFRI, Barrackpore. The rapporteur of the session were Dr. Dibakar Bhakta, CIFRI, Barrackpore. In this session 10 abstracts were presented.

### **Technical Session V: 12:15 pm– 13:15pm**

In the technical session -V **Dr. A.K. Das**, Principal Scientist, ICAR-CIFRI, Barrackpore gave his invited lecture on **“Wetlands - the life line of riverine fisheries and biodiversity”**. The session was chaired by Dr. Dilip Kumar, Ex-Dir, CIFE Mumbai and co-chaired by Dr. Samanta, CIFRI, Barrackpore. The rapporteur was Dr. Dibakar Bhakta, CIFRI, Barrackpore, and in this session total 8 abstracts were presented.

### **Poster Session: 11:00am– 12:00pm**

Total 39 posters were displayed by participants. Each poster was evaluated by a panel of three judges; Dr. S. Samanta, Dr. V.P. Semwal and Dr, Bipasa David and for 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> category of the poster prize.

### **Valedictory Session: 14:30 pm to 15:30 pm**

The valedictory session was conducted during 14:30 am to 15:30 pm. The session was started with ICAR song. The session was chaired by Dr. Dilip Kumar, FAO Advisor, Ex Vice -Chancellor/Director, Central Inland Fishery Education, Mumbai. The chief guest of the session was Prof. R.S. Verma, Director, MNIT & IIIT, Prayagraj. Hon'ble Pro Vice Chancellor Dr. S.C. Tiwari, NGBDU was special guest and Prof. Prakash Nautiyal was Guest of honour during the session. Dr. K.D. Joshi, Ex Principal Scientist, ICAR-NBFGR, Lucknow and Dr. S. Samantha, Principal Scientist ICAR-CIFRI were special invitee on this occasion. Dr. Asheesh Shivam Mishra, organizing secretary delivered a brief summary of two days national seminar along with recommendations. He said more than 150 abstract were received from almost 14 states of the country and 87 abstracts (Oral and Poster) were presented in different technical sessions. The best oral and best poster presentation awards were given to the best presenters. Kalash Research and welfare society, Prayagraj gave some awards to few participants for their outstanding research and academic achievements. Vote of thanks was given by Dr. Absar Alam, Scientist, ICAR-CIFRI, Prayagaraj, U.P.

**RECOMMENDATIONS: (brief concluding write up remarks):**

After two days long discussions in the various technical session during in the National seminar NEED-2023, the following recommendations were made.

1. Hydropower development disrupt continuum of the river which impact diversity and distribution of the aquatic communities.
2. The status of the Golden mahseer population is declining upstream of the Ganga including foothills of the Himalayas.
3. Instead of relying on the physical and chemical characteristics only, bio indicators should be used to identify the state of the river stretch e.g. Golden mahseer in the Himalayan rivers dolphin in the Ganga plain and *Hilsa* in the estuarine region.
4. Biological indices: Use of existing or develop new indices for each tropical levels. Make bioassessment using guidelines similar to water frame work directives for Europe pr an adaptation to Indian situation.
5. Bio-monitoring should continue and data should be put on public domain.
6. Small indigenous fishes like *Gudusia chapara* need to be promoted to enhancement and nutritional requirements.
7. Regular monitoring of heavy metals and pesticide needed in the Ganga river system
8. Truss morphometry is a good tools for the taxonomic identification: need to promoted.
9. Diatoms are good indicators of aquatic ecosystems
10. There are great scope of interdisciplinary research in biological, physical and chemical scenario.
11. Role of climate change in the river ecosystem health and inland fishery resources,



## SOME PHOTOGRAPHS: NEED-2023





# MEDIA COVERAGE

## आईसीएआर-सिफरी और एनजीबी (डीयू) द्वारा दो दिवसीय राष्ट्रीय संगोष्ठी का समापन

प्रयागराज में आयोजित आईसीएआर-सिफरी और एनजीबी (डीयू) द्वारा दो दिवसीय राष्ट्रीय संगोष्ठी का समापन हुआ। प्रयागराज में आयोजित आईसीएआर-सिफरी और एनजीबी (डीयू) द्वारा दो दिवसीय राष्ट्रीय संगोष्ठी का समापन हुआ। प्रयागराज में आयोजित आईसीएआर-सिफरी और एनजीबी (डीयू) द्वारा दो दिवसीय राष्ट्रीय संगोष्ठी का समापन हुआ।



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## नेहरू ग्राम भारती एवं आईसीएआर-सिफरी द्वारा राष्ट्रीय संगोष्ठी सम्पन्न

प्रयागराज में आयोजित नेहरू ग्राम भारती एवं आईसीएआर-सिफरी द्वारा राष्ट्रीय संगोष्ठी का समापन हुआ। प्रयागराज में आयोजित नेहरू ग्राम भारती एवं आईसीएआर-सिफरी द्वारा राष्ट्रीय संगोष्ठी का समापन हुआ।



नेहरू ग्राम भारती एवं आईसीएआर-सिफरी द्वारा राष्ट्रीय संगोष्ठी का समापन हुआ।

## आईसीएआर-सिफरी और एनजीबी (डीयू) द्वारा दो दिवसीय राष्ट्रीय संगोष्ठी का समापन

प्रयागराज में आयोजित आईसीएआर-सिफरी और एनजीबी (डीयू) द्वारा दो दिवसीय राष्ट्रीय संगोष्ठी का समापन हुआ। प्रयागराज में आयोजित आईसीएआर-सिफरी और एनजीबी (डीयू) द्वारा दो दिवसीय राष्ट्रीय संगोष्ठी का समापन हुआ।



आईसीएआर-सिफरी और एनजीबी (डीयू) द्वारा दो दिवसीय राष्ट्रीय संगोष्ठी का समापन हुआ।



**नवीन-झूसी-फाफामऊ**

amarujala.com

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**न्यूज डायरी**

### प्रकृति को जितना सुंदर रखेंगे प्रकृति उतना ही देगी

**झूसी** नेहरू ग्राम भारती मानित विश्वविद्यालय और आईसीएआर-सिफरी के संयुक्त तत्वावधान में शनिवार से दो दिवसीय राष्ट्रीय संगोष्ठी का आयोजन किया गया। पहले दिन उद्घाटन समारोह में मुख्य अतिथि के रूप में पूर्व निदेशक सीआईएफई डॉ. दिलीप कुमार ने परिस्थिति एवं अर्थव्यवस्था पर प्रकाश डाला। विश्वविद्यालय के कुलपति प्रो. संजय अध्येक्षय संबोधन के जरिये परिस्थिति की प्रबंधन के बारे में बताया। प्रति कुलपति डॉ.एससी तिवारी ने

**नेहरू ग्राम भारती एवं आईसीएआर सिफरी ने आयोजित की संगोष्ठी**

विश्वविद्यालय के विशेषता एवं कार्यों का उल्लेख किया। कार्यक्रम में गढ़वाल विश्वविद्यालय, श्रीनगर के प्रो. प्रकाश नैटियाल ने परिस्थिति की व्याख्या की। विशिष्ट अतिथि वरिष्ठ सलाहकार जैव विविधता एनएमसीजी नई दिल्ली डॉ.संदीप बेहरा ने गंगा नदी में मछली और मत्स्य पालन के आकलन पर गंगा नदी पर विभिन्न प्रोजेक्टों को बताया। पश्चिम बंगाल, सिफरी बैरमपुर के निदेशक डॉ. बीके दास ने गंगा जल की रासायनिक

तत्वों तथा मछलियों पर पड़ने वाले प्रभाव को बताया। उन्होंने कहा कि प्रकृति को आप जितना सुंदर रखेंगे प्रकृति उतना ही देगी। स्वागत भाषण संगोष्ठी के संयोजक डॉ. आशीष शिवम् ने किया। सह संयोजक डॉ. अमिताभ द्विवेदी तथा संबालन डॉ. किरन गुप्ता ने किया। धन्यवाद ज्ञापन आरएल विश्वकर्मा ने किया। इस मौके पर डॉ. आदिनाथ, डॉ. नीरमा जायसवाल, डॉ. हेमलता पंत, डॉ. अनिता सिंह, डॉ. अर्चना शर्मा, अनुपम सिन्हा, डॉ. अरविंद पांडेय, श्वेता तिवारी, नेहा सिंह, अतुल, धनन्जय, अरुण, मधुलिका, नंदन, अविनाश, पवन पांडेय आदि मौजूद रहे।



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