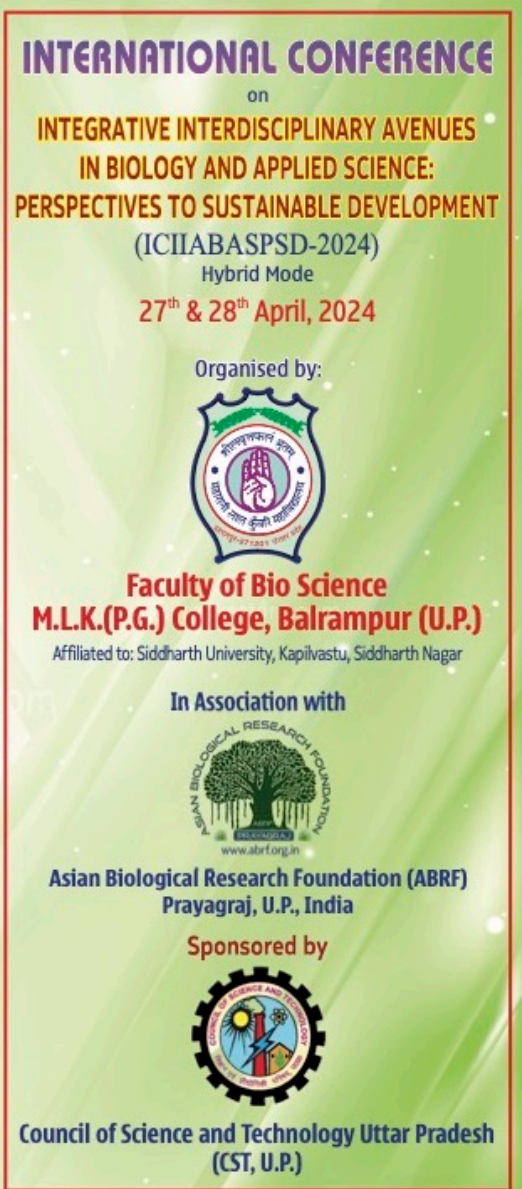



International Conference on Integrative Interdisciplinary Avenues in Biology and Applied Science:  
Perspective to Sustainable Development on 27 to 28 April 2024




**INTERNATIONAL CONFERENCE**  
on  
**INTEGRATIVE INTERDISCIPLINARY AVENUES  
IN BIOLOGY AND APPLIED SCIENCE:  
PERSPECTIVES TO SUSTAINABLE DEVELOPMENT**  
(ICIABASPSD-2024)  
Hybrid Mode  
27<sup>th</sup> & 28<sup>th</sup> April, 2024

Organised by:




**Faculty of Bio Science  
M.L.K.(P.G.) College, Balrampur (U.P.)**  
Affiliated to: Siddharth University, Kapilvastu, Siddharth Nagar

In Association with



**Asian Biological Research Foundation (ABRF)**  
Prayagraj, U.P., India

Sponsored by



**Council of Science and Technology Uttar Pradesh  
(CST, U.P.)**

Event

**Report of the International Conference  
Integrative Interdisciplinary Avenues in  
Biology and Applied Sciences: Perspective to  
Sustainable Development**

## **EVENT REPORT**

1. **Title of Event** : Event Report of the International Conference Integrative Interdisciplinary Avenues in Biology and Applied Sciences: Perspective to Sustainable Development
2. **Nature of Event** : Hybrid mode (Both on line and off line)
3. **Date & Duration** : 27 and 28, April 2024 (Two Days).
4. **Organizing Department** : Department of Botany
5. **Name of Resource Persons** : Listed Below

|     |  |
|-----|--|
| 1.  | Keynote speaker, Prof. Dilip Jha (NEPAL) |
| 2.  | Prof. Binay Chakrovorty (BANGLADESH)     |
| 3.  | Dr. O. P. Singh (NEPAL)                  |
| 4.  | Prof. Sunil Kumar Srivastava             |
| 5.  | Prof. S. K. Chaturvedi (CHITRKOOT, M.P.) |
| 6.  | Special Guest Address by RHEO Gorakhpur  |
| 7.  | Avinash Singh (USA)                      |
| 8.  | DR. Thandekile Mthethwa (SOUTH AFRICA)   |
| 9.  | DR. Nilesh Anand Srivastava (PRAYAGRAJ)  |
| 10. | DR. Ankita Srivastava (IIT LUCKNOW)      |
| 11. | Prof. Shreerup Goswami (ODISHA)          |
| 12. | Prof. Keshav Singh, D.D.U. gorakhpur     |
| 13. | DR. Susheel Kumar Updhyay (HARYANA)      |
| 14. | Prof. Shambhu Kumar (KERALA)             |

6. a) **Number of Participants** : About 1000

**b) Participating Colleges** :

1. L.B.S. Degree College, Gonda
2. Kissan P.G. College, Bahraich
3. H. R. P.G. College, Khalilabad
4. Rajpati Mata Prasad Shikshan Prashikshan Mahavidhyalya, Kalwari, Basti
5. Jhunjhunwala Ayodhya
6. Bipin Bihari PG College, Jhansi

7. **Summary of Events** :

The 21st century presents unprecedented challenges that require innovative and comprehensive solutions. Moving away from a fragmented approach towards a more integrated and interdisciplinary framework as sustainable development is a global imperative. An

interdisciplinary approach integrated across biology and applied sciences labels researchers to understand complex biological and environmental systems in their entirety. By combining the insights of biology, chemistry, physics, and engineering scientists into a holistic understanding of the integrated relationships that govern natural processes. This broader perspective is necessary to develop sustainable solutions that consider the interplay of different factors.

Applied science when integrated with biology leads to the development of innovative technology that contributes to sustainable practices. For example, the fusion of biotechnology and environmental science has given rise to unprecedented solutions in this management of renewable energy and pollution control. These technologies provide efficient eco-friendly alternatives that are in line with the principles of sustainable development.

As scientists move at the intersection of different disciplines, they have to grapple with ethical changes related to research integrity, environmental impact, and social implications. Integrating ethical frameworks into interdisciplinary outcomes ensures that progress prioritizes the Sustainable Development Goals and the well-being of both ecosystems and societies.

The challenges facing our planet such as climate change, biodiversity loss and public health crises require multidisciplinary integrated interdisciplinary approaches that bring together experts from different fields to address the challenges. Researchers, policy makers and practitioners can pool their knowledge and resources to develop comprehensive strategies that transcend disciplinary boundaries, offering more effective practices and sustainable solutions at a global scale.

#### Conference Theme

The Law of Biological and Applied Sciences in Sustainable Development.

Advanced Technologies in Biology and Applied Sciences.

Law of Biological and Applied Sciences in Biodiversity Conservation

Interdisciplinary approach to safe climate change by reducing environmental pollution

Bioprospecting bioinformatics and quantitative ecology

Economic growth versus sustainable development

Role of IT and media in conservation of natural resources

## **Program Schedule**

| <b>Program Schedule (First Day)</b>     |  | <b>DATE: 27/4/24</b> |
|---|--|----------------------|
| <b>Inaugural Session</b>                |  |                      |
| <b>TIMING</b>                           | <b>EVENTS</b>  |                      |
| 09.00 – 10.00 AM                        | Spot Registration  |                      |
| 09.00 – 10.00 AM                        | Breakfast  |                      |
| 10.00 – 10.10 AM                        | Introduction of Guest  |                      |
| 10.10 – 10.15 AM                        | Deep Prajwalan   |                      |
| 10.15 – 10.20 AM                        | Saraswati Vandana  |                      |
| 10.20 – 10.30 AM                        | College Kulgeet  |                      |
| 10.30 – 10.45 AM                        | Welcome Address by Principal   |                      |
| 10.45 – 10.50 AM                        | Garlanding and Badge of Guest Present on Dias  |                      |
| 10.50 – 10.55 AM                        | Theme of the Conference by Convener  |                      |
| 10.55 – 11.00 AM                        | Address by the Secretary, Management committee   |                      |
| 11.00 – 11.05 AM                        | About ABRF by Prof. Dilip Jha (NEPAL)  |                      |
| 11.05 – 11.10 AM                        | Special Guest Address by Binay Chakrovorty (BANGLADESH)  |                      |
| 11.10 – 11.15 AM                        | Special Guest Address by RHEO Gorakhpur  |                      |
| 11.15 – 11.20 AM                        | Special Guest Address by RHEO Lucknow  |                      |
| 11.20 – 11.25 AM                        | Release of Souvenir  |                      |
| 11.25 – 11.45 AM                        | Address by Chief Guest Dr. A.K. Verma<br>Hon'ble member Uttar Pradesh, Public Service Commission,<br>Prayagraj |                      |
| 11.45 – 12.05 PM                        | Angavastra, Memento & Award Ceremony   |                      |
| 11.35 – 12.30 PM                        | Vote of thanks by Organizing Secretary   |                      |
| <b>TECHNICAL SESSION 1<sup>ST</sup></b> |  |                      |
| 12.30 – 01.00 PM                        | Keynote speaker, Prof. Dilip Jha (NEPAL)   |                      |
| 01.00 – 01.30 PM                        | Prof. Binay Chakrovorty (BANGLADESH)   |                      |
| <b>LUNCH BREAK &amp; POSTER SESSION</b> |  |                      |
| <b>TECHNICAL SESSION 2<sup>nd</sup></b> |  |                      |
| 02.15 – 02.35 PM                        | Prof. Sunil Kumar Srivastava   |                      |
| 02.35 – 02.55 PM                        | Prof. Neeraj Srivastava  |                      |
| 02.55 – 03.15 PM                        | Dr. O. P. Singh (NEPAL)  |                      |
| 03.15 – 03.35 PM                        | Prof. S. K. Chaturvedi (CHITRKOOT, M.P.)   |                      |
| 03.35 – 04.00 PM                        | Presentation by Research Scholars  |                      |
| 04.00 – 04.30 PM                        | <b>HIGH TEA</b>  |                      |
| 04.30 – 05.00 PM                        | Presentation by Research Scholars  |                      |
| 06:30 – 08.00 PM                        | <b>CULTURAL PROGRAME</b>   |                      |



| <b>Program Schedule (Second Day)</b>              |                  | <b>DATE: 28/4/24</b>                          |
|---|------------------|---|
|   | 9.30 -- 10.00 AM | <b>SNAKS &amp; TEA</b>                        |
| <b>TECHNICAL SESSION 1<sup>ST</sup> (ON LINE)</b> |                  |   |
|   | 10.00 – 10.20 AM | Avinash Singh (USA)                           |
|   | 10.30 – 10.50 AM | DR. Nilesh Anand Srivastava (PRAYAGRAJ)       |
|   | 10.50 – 11.15 AM | DR. Ankita Srivastava (IIT LUCKNOW)           |
|   | 11.15 – 11.30 AM | DR. Rahul Singh (PUNJAB)                      |
|   | 11.30 – 11.50 AM | DR. Thandekile Mthethwa (SOUTH AFRICA)        |
|   | 11.50 – 12.15 PM | Chief Guest address by DR. D.K. Srivastava    |
|   | 12.15 – 12.30 PM | DR. Susheel Kumar Updhyay (HARYANA)           |
| <b>TECHNICAL SESSION 2<sup>nd</sup></b>           |                  |   |
|   | 12.30 – 12.50 PM | Prof. Shreerup Goswami (ODISHA)               |
|   | 12.50 – 01.15 PM | Prof. Shambhu Kumar (KERALA)                  |
| <b>Lunch</b>                                      |                  |   |
| <b>TECHNICAL SESSION 3</b>                        |                  |   |
|   | 02.00 – 03.30 PM | Prof. Keshav Singh                            |
|   | 03.30– 05.00 PM  | <b>VALEDICTORY SESSION AND AWARD CEREMONY</b> |
|   |                  | <b>NATIONAL ANTHEM</b>                        |

**List of Oral Online presentation in the international conference on integrative interdisciplinary avenues in Biology and applied Sciences: perspectives to sustainable Development (ICIABASPSD-2024) in Central Library.  
Time 2:00 PM onward on 27/04/2023.**

| S. No. | Name                   | Mode of Presentation | Title  |
|--------|------------------------|----------------------|--|
| 1      | DR. Suman Gupta        | Online               | Seasonal variation among algae and its role in Climate change  |
| 2      | Anmol Kumar            | Online               | Microgel Based Metallic Nanocomposites and Their Catalytic Activity Study  |
| 3      | Dr. Manish Kumar       | Online               | Phytase purification from different genotypes of <i>Triticum aestivum</i>  |
| 4      | PURNIMA                | Online               | <i>Chromobacterium violaceum</i> : A potent antagonistic agent against fungi.  |
| 5      | Pankaj Kumar Mishra    | Online               | Study on the role of ABO blood groups in relation to healthy longevity in area of Kerakat tahsil of District Jaunpur           |
| 6      | Suraj                  | Online               | “An Inventory of major insect pests at some Fruit belts of Kumaon region   |
| 7      | Dr Sarvesh Suyal       | Online               | Phytosociological assessment of two tropical forest communities: A call for Conservation                                       |
| 8      | Arun Baburao Sawarkar  | Online               | Correlation of colour intensity with antioxidant content of honey from Jalgaon district, North Maharashtra, India              |
| 9      | Sushma Gautam          | Online               | Impact of Chlorpyrifos on Growth Indices of <i>Sorghum bicolor</i> : Phyto-toxicological Insights                              |
| 10     | Shailendra Yadav       | Online               | Role of cinnamon bark oil in the management of some destructive cellulolytic fungi.  |
| 11     | AKANKSHA GAUR          | Online               | Assessing The Impact of Climate Change on Ecosystems: Challenges And Opportunities   |
| 12     | Archana Srivastava     | Online               | Studies on environmental remediation by dye degradation using polyaniline-TiO <sub>2</sub> -based photocatalysts.              |
| 13     | VARUNENDRA KUMAR SINGH | Online               | Methyl jasmonate and gamma-aminobutyric acid regulate cadmium tolerance in tomato and brinjal seedlings by nitrogen metabolism |
| 14     | Taranpreet Kaur Nagra  | Online               | Microbial Pigments : Perspectives into Agrobiotechnological Management of Floral Waste   |
| 15     | Swati Sharma           | Online               | Nano coatings on post harvest management of fruits   |
| 16     | Vaibhav Tripathi       | Online               | Triazoles: Their chemistry, synthesis & pharmacological importance   |
| 17     | Satya Prakash Singh    | Online               | Phytochemical, Pharmacological, Medicinal and Toxicological activity of <i>Ricinus communis</i> and <i>Datura stramonium</i>   |
| 18     | Shahina Kalim          | Online               | Applied Science and Biology impact on sustainable development goals  |
| 19     | Dr. Sadhana Gupta      | Online               | Antibiotic resistance in Aquaculture: Challenges for fish health and environment   |
| 20     | Dr. Sushil Kumar       | Online               | Applicability of Scientific Knowledge in Conserving Biodiversity   |

|    |                            |        |  |
|----|----------------------------|--------|--|
| 21 | Shalini Singh              | Online | Frequently occurrence of <i>Helicobacter pylori</i> infection and low incidence gastric cancer in Indian Enigma                            |
| 22 | Dr. Amarendra Kumar Pandey | Online | Call analysis of <i>Semnpithecus entellus</i> in Chitrakoot  |
| 23 | Asma masood                | Online | The black soldier fly, <i>Hermetia illucens</i> , a novel and ecofriendly tool for organic waste management: A review and future prospects |
| 24 | Roopesh Jaiswal            | Online | Role of the Rural Peoples in Biodiversity Conservation Through Cultural Practices in the District of Pratapgarh                            |
| 25 | Komal Rani                 | Online | Bacterial Mediated Removal of Reactive Blue-250 (RB-250): A Sustainable Approach for Textile Industries                                    |
| 26 | Dr. Alok                   | Online | Some new fossil remains from Diwali of Uttarakhand, India and their bearing on paleoclimatology and phytogeography                         |

List of Offline Oral presentation

| S. No. | Timings | Name of Presenter        | Topic  |
|--------|---------|--------------------------|--|
| 1.     |         | Dr. Alok Ranjan          | In Vitro micropropagation of <i>Flacourtia jangomas</i>  |
| 2.     |         | Dr. Bijendra Kumar Singh | Nanocapsulated essential oils as novel preservatives of herbal raw material against fungal and mycotoxin contamination   |
| 3.     |         | Dr. Nidhi Gupta          | Conservation of Natural Resources  |
| 4.     |         | Dr. Asha Mishra          | Role of media in creating environmental awareness  |
| 5.     |         | Vinod Kumar Singh        | Chemistry: A tool for the sustainable development  |
| 6.     |         | Shahina Kalim            | Applied science and biology impact of sustainable developmental goals  |
| 7.     |         | Dr. Om Prakash Singh     | Genetic Diversity in Indian Polpulation  |
| 8.     |         | Phalphele M. Gangadhar   | Development of fiber rich instant halwa mix  |
| 9.     |         | Mukesh Kumar             | Role of Physics and Environmental science in Scientific Perspective  |
| 10.    |         | Dr. Vineet Rawat         | Innovative Strategies for Biodiversty Conservation: A Scientific Perspectives  |
| 11.    |         | Servesch Suyal           | Phytosociological assessment of two forest communities: A call for Conservation  |
| 12.    |         | Dr. Sippy Dassani        | Phytoremediation for Ecofriendly Environment   |
| 13.    |         | Dr. Alok                 | Some new fossils remain from Diwali of Uttarakhand and their bearing on paleoclimatology and phyto geography   |
| 14.    |         | Dr. Pragya Joshi         | Evaluation of the potential of cultivation of local cereals, pulses and vegetables for sustainable livelihood in sari Vilage, Chamoli district, Garhwal Himalyas |
| 15.    |         | Dr. Saba Irshad          | Pharmacognostic and HPTLC for plant secondary metabolites with special reference to volatile essential oils.   |
| 16.    |         | Dr. Raj Kumar ojha       | Agrochemical compounds   |
| 17.    |         | Dr. Vineet Kumar         | Hexavalent Chromium detoxification and Acid Red degradation by <i>Bacillus cereus</i> isolated from textile effluent irrigated area                              |
| 18.    |         | Dr. Sunita Rawat         | Innovative strategies for biodiversity conservation: A scientific Approach.  |

|     |  |                          |  |
|-----|--|--------------------------|--|
| 19. |  | Dr. Jyoti Prakash        | Lignocellulosic Biomass: Sustainable approach for production energy                        |
| 20. |  | Swati Sharma             | Nano Coatings on post-harvest management of fruits   |
| 21. |  | Dr. Sadhna Gupta         | Applicability of Scientific knowledge of conserving biodiversity                           |
| 22. |  | Dr. Nirdesh Kumar Ravi   | Assessment of heavy metals load in Ghagra river India and their impact on human population |
| 23. |  | Vashli Gupta             | Herbal drugs: catalyst for sustainable development in society                              |
| 24. |  | Kanchan Sing             | Advanced technique in biology and Applied Sciences   |
| 25. |  | Dr. Madhulika Srivastava | Interdisciplinary approach to save Climate change by reducing environmental pollution      |
| 26. |  | Dr. Deepak Kumar Arya    | Combating bacterial pathogenesis using in silico approach                                  |

# 8. Brochure of the International Conference

Dr. Vineet Rawat, Scientist E, IIS, Anupshah Pradesh  
 Dr. Sanjay Mishra, Scientist E, IIS, Prayagraj  
 Dr. Anila Tomar, Scientist E, I.R.C.S.E.A., Prayagraj  
 Dr. Shambhu Kumar, Senior Scientist & Head, ICAR, Kolar  
 Dr. S.P. Tiwari, Dept. of Microbiology, V.S.P. University, Jaipur  
 Dr. Pramod Kumar, Dept. of Chemistry, V.S.P. University, Jaipur  
 Dr. Vimal Kumar Pandey, Dept. of Botany, K.I.S.S. Bhawanagar  
 Dr. Neha Behar, Dept. of Biotechnology, D.L.S. PG. College, Bhopal  
 Dr. Vijay Pratap Singh, Dept. of Botany, C.M.P. Degree College, Prayagraj  
 Dr. Surendra Prasad Singh, Dept. of Botany, D.A.V. College, Kanpur  
 Dr. Anand Pandey, Dept. of Botany, A.G. College for Women, Kanak, Panchajanya  
 Dr. Sushil Kumar Shrivastava, Dept. of Botany, G.G. University, Kori, Baleswar  
 Dr. Rita Singh, Dept. of Environmental Science, Central University, Rajasthan  
 Dr. Anila Rani, Dept. of Botany, University of Delhi, New Delhi  
 Dr. A.K. Singh, Dept. of Botany, T.D. PG. College, Jaipur  
 Dr. Girish Chandra Pathak, Dept. of Botany, University of Lucknow, Lucknow  
 Dr. S.V. Singh, Dept. of Botany, M.L.K. PG. College, Balmampur  
 Dr. J.P. Tiwari, Dept. of Botany, M.L.K. PG. College, Balmampur  
 Dr. J.S. Chaudhary, Dept. of Botany, M.L.K. PG. College, Balmampur  
 Dr. D.S. Shukla, Dept. of Botany, M.L.K. PG. College, Balmampur  
 Dr. V.K. Shukla, Dept. of Botany, M.L.K. PG. College, Balmampur  
 Dr. A.K. Singh, M.L.K. PG. College, Balmampur  
 Dr. Prityush Mishra, Dept. of Botany Govt. PG. College, Naini, Prayagraj  
 Dr. Sushil Kumar Upadhyay, Dept. of Bio Science, M.M. Dweemedh University, Ambala (Hr)  
 Dr. Alok Sharma, Dept. of Botany, S.B.R. Govt. PG. College, Hoshiarpur, Jalandhar  
 Dr. Ashutosh K. Verma, Dept. of Botany, Siddharth University, Kaplivastra, S.N.  
 Dr. Ashutosh K. Srivastava, Dept. of Zoology, Siddharth University, Kaplivastra, S.N.  
 Dr. Sushil Kumar Upadhyay, Dept. of Biotechnology, M.M. University, Banarasi  
 Dr. Vinay Kumar Singh, Dept. of Botany, K.S. Sankar PG. College, Ayodhya  
 Dr. Manish Kumar Singh, Dept. of Botany, K.S. Sankar PG. College, Ayodhya  
 Dr. Kiran Gupta, Dept. of Botany, Siddharth University, Kaplivastra, S.N.  
 Dr. Anika Srivastava, Dept. of Botany, Siddharth University, Kaplivastra, S.N.  
 Dr. Anand Kumar Srivastava, Dept. of Zoology, Siddharth University, Kaplivastra, S.N.  
 Dr. Vineeta Rawat, Dept. of Zoology, Siddharth University, Kaplivastra, S.N.  
 Dr. Rekha Sharma, Dept. of Botany, L.B.S. PG. College, Gonda  
 Dr. Dharmendra Singh, Dept. of Zoology, S.P.P.G. College, Saharaghat  
 Dr. Rahul Singh, Dept. of Zoology, Laxmi Professional Institute, Patna  
 Dr. G.K. Shukla, Dept. of Botany, Kisan PG. College, Bahraich  
 Dr. Avinash Kumar Singh, Dept. of Botany, Govt. Girls Degree College, Chandauli  
 Dr. Shivendra Mohan Pandey, Dept. of Botany, K.I.C.D. College, Prayagraj  
 Dr. Prabhakar Kumar Srivastava, Dept. of Botany, K.S. Sankar PG. College, Ayodhya  
 Dr. Santosh Kumar, Dept. of Botany, Govt. Degree College, Lucknow  
 Dr. Raju Prasad, Dept. of Botany, S.P.P.G. College, Saharaghat  
 Dr. Haidar Ali, Dept. of Zoology, Gov. Degree College, Loni Gaur, Srivastavi  
 Dr. Nandish K. Ravi, Dept. of Botany, Gov. Degree College, Loni Gaur, Srivastavi  
 Dr. Anand K. Srivastava, Dept. of Botany, Kisan PG. College, Bahraich  
 Dr. S.C. Shukla, Dept. of Botany, Kisan PG. College, Bahraich  
 Dr. Shishir Tripathi, Dept. of Zoology, L.B.S. PG. College, Gonda  
 Dr. Rajeev Kumar Tripathi, Dept. of Botany, K.I.C.D. College, Prayagraj  
 Dr. Vineet Kumar, Dept. of Zoology, Kisan PG. College, Bahraich  
 Dr. Rajesh Kumar, Dept. of Botany, Kisan PG. College, Bahraich  
 Dr. Pragati Srivastava, Dept. of Botany, I.G. College, Bahraich  
 Dr. Chandna Bhar, Dept. of Botany, H.R. PG. College, Khalilabad  
 Dr. Anupam Pali, Tripathi, Dept. of Zoology, H.R. PG. College, Khalilabad  
 Dr. Asha Mishra, Dept. of Zoology, H.R. PG. College, Khalilabad  
 Dr. Raju Kumar Ojha, Dept. of Chemistry, H.R. PG. College, Khalilabad  
 Dr. Rohit Kumar Srivastava, Dept. of Botany, Kananprasth PG. College, Sukapur  
 Dr. Rohit Kumar Mishra, Dept. of Botany, Kananprasth PG. College, Sukapur  
 Dr. Rajesh Kumar Pandey, Dept. of Botany, Bundelkhand University, Jhansi  
 Dr. Smriti Singh, Dept. of Agriculture, L.B.S. PG. College, Gonda  
 Dr. Shivadi Tiwari, Dept. of Botany, J.S. PG. College, Jhansi  
 Dr. Ravi Krishna Mishra, Balmampur  
 Dr. Vibha Tiwari, Dept. of Botany, Anupshah PG. College, Anupshah  
 Dr. Anandhara Sharma, Dept. of Botany, Anupshah PG. College, Anupshah  
 Dr. Anjali Shukla, Dept. of Zoology, Kisan PG. College, Bahraich  
 Dr. Sudha Shukla, Dept. of Zoology, Kisan PG. College, Bahraich

**Executive Committee**  
 Prof. R.K. Singh, Dean Science, Siddharth University, Kaplivastra  
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 Smt. Mansi Patel, Asst. Prof., Department of Zoology  
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 Sri Rahul Yadav, Asst. Prof., Department of Botany  
 Sri Shrawan Kumar, Asst. Prof., Department of Botany  
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 Dr. R.B. Tripathi, Asst. Prof., Department of Zoology  
 Dr. Alpna Parmar, Asst. Prof., Department of Zoology  
 Dr. Pankaj Gupta, Asst. Prof., Department of Seed Technology  
 Dr. Sunil Kumar Srivastava, Asst. Prof., Department of Botany

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 Dr. Anand Bajpai, Department of Zoology  
 Smt. Varsha Singh, Department of Zoology  
 Mr. Santosh Kumar Tiwari, Department of Zoology  
 Km. Asha KC, Department of Zoology  
 Sri Vipin Tiwari, Department of Botany  
 Km. Saumya Shukla, Department of Botany  
 Km. Rashi Singh, Department of Botany  
 Smt. Shalini Gupta, Department of Botany  
 Mr. Dharmesh Srivastava, Department of Botany

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 Sri Abhishek Singh, Head, Department of BCA/Computer Science  
 Sri Masood Murad, Department of BCA

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**Shriman Maharaja Jayendra Pratap Singh**  
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 Vice-Chancellor  
 Siddharth University, Kaplivastra, Siddharth Nagar  
 Patron  
**Justice (Retd.) D.P. Singh**  
 President, Committee of Management  
**Prof. V.C. Srivastava**  
 President, ABRF, Prayagraj  
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 Secretary, Committee of Management  
**Sri B.K. Singh**  
 Joint Secretary, Committee of Management  
 President  
**Prof. Janardan Prasad Pandey**  
 Principal, M.L.K. PG. College, Balmampur (U.P.)

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**Prof. Ashok Kumar**  
 Head, Department of Zoology

**Co-coordinator**  
**Dr. Shiv Mahendra Singh**  
 Asst. Prof., Department of Botany

**Convener**  
**Dr. Sadguru Prakash**  
 Asst. Prof., Department of Zoology

**Co-convener**  
**Dr. Rajan Pratap Singh**  
 Head, Department of Seed Technology

**Organising Secretary**  
**Dr. Rajni Ranjan**  
 Head, Department of Botany

**Co-organising Secretary**  
**Dr. Mohd. Akmal**  
 Asst. Prof., Department of Botany  
 M.L.K.(P.G.) College, Balmampur

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 9451326333, 9264940456

**INTERNATIONAL CONFERENCE**  
 on  
**INTEGRATIVE INTERDISCIPLINARY AVENUES**  
**IN BIOLOGY AND APPLIED SCIENCE:**  
**PERSPECTIVES TO SUSTAINABLE DEVELOPMENT**  
 (ICIABSPSD-2024)  
 Hybrid Mode  
**27<sup>th</sup> & 28<sup>th</sup> April, 2024**

Organised by:  
  
**Faculty of Bio Science**  
**M.L.K.(P.G.) College, Balmampur (U.P.)**  
 Affiliated to: Siddharth University, Kaplivastra, Siddharth Nagar

In Association with  
  
**Asian Biological Research Foundation (ABRF)**  
 Prayagraj, U.P., India

Sponsored by  
  
**Council of Science and Technology Uttar Pradesh (CST, U.P.)**

**About the Conference**  
 The 21st century is marked by unprecedented challenges that require innovative and comprehensive solutions. As a global imperative, sustainable development necessitates moving away from compartmentalized approaches towards a more integrative and interdisciplinary framework. Integrative interdisciplinary approaches in Biology and Applied Science enable researchers to comprehend complex biological and environmental systems in their entirety. By combining insights from biology, chemistry, physics, and engineering, scientists gain a holistic understanding of the intricate relationships governing natural processes. This comprehensive perspective is essential for developing sustainable solutions that consider the interplay of various factors.

Applied science, when integrated with biology, leads to the development of innovative technologies that contribute to sustainable practices. For instance, the fusion of biotechnology and environmental science has given rise to groundbreaking solutions in waste management, renewable energy, and pollution control. These technologies offer efficient, eco-friendly alternatives that align with the principles of sustainable development.

As scientists navigate the intersection of different disciplines, they must grapple with ethical challenges related to research integrity, environmental impact, and social implications. Integrating ethical frameworks into interdisciplinary research ensures that advancements align with sustainable development goals and prioritize the well-being of both ecosystems and societies.

The challenges facing our planet, such as climate change, biodiversity loss, and public health crises, are multifaceted. Integrative interdisciplinary approaches bring together experts from diverse fields to collaboratively address these challenges. Researchers, policymakers, and practitioners can pool their knowledge and resources to develop comprehensive strategies that transcend disciplinary boundaries, offering more effective practices on a global scale and sustainable solutions.

**Theme of the Conference:**

- The Role of biological and applied sciences in sustainable development.
- Advanced techniques in Biology and Applied Science.
- The Role of biological and applied sciences in Biodiversity conservation.
- Interdisciplinary approaches to solve Climate change by reducing environmental pollution.
- Bioprospecting, Biomimetics and Quantitative Ecology
- Economic growth vis-a-vis sustainable development
- Role of IT & Media in Conservation of Natural resources.

**About the College**  
 The Venue of the Seminar is M.L.K. (P.G.) College, Balmampur (U.P.). The College was established by Maharaja Sri Pateshwari Prasad Singh in the year 1955 and is more popularly known as **Oxford of Tara**. The College is accredited with Grade 'B' by NAAC. The College is situated at a distance of 165 km in the East from Lucknow & 189 km from Gorakhpur. Direct Trains are available to reach Balmampur from any corner of India. The College is situated in the heart of city at distance 03 Km from Balmampur Railway Station and 01 Km. from Jharkhandi Railway Station.

**About ABRF**  
 The Asian Biological Research Foundation (ABRF) Prayagraj, India is a self-supporting academic & research associated body. It is basically non-profit & Non-Government organization to (i) provide a common platform for scientists associated with biological sciences to interact with one another for mutual benefit and to enhance the innovative knowledge on the subjects (2) encourage, facilitate & perform the activities related with conservation of nature and biodiversity and so on. The ABRF confers following categories of awards through nominations:

- ABRF Life Time Achievement Award (above 57 years of age).
- Honorary Fellowship/Fellowship (AFBRF).
- ABRF Excellence Award for Agricultural/Botanical/Zoological Research.
- Best Teacher Award for Agricultural/Botanical/Zoological Innovations.
- Innovative Botanist/Zoologist/Animal Scientists Award.
- Eminent Ecologist / Cytologist / Ichthyologist / Environmentalist/Physiologist/Entomologist/ Geneticist / Parasitologist/Taxonomist/Plant Pathologist/Anthropologist Award.
- Innovative Biologist Award for Wild Life / Biodiversity Conservation.
- Senior Botanist/ Zoologist/ Biochemist / Scientist Award (above 45 years of age).
- Paryavaran Shri Samman.
- Young Botanist / Zoologist / Scientist Award (For Research Scholar).

Note: Membership of ABRF is mandatory for applying these awards. For detailed guidelines, visit the website: <http://www.abrf.org.in>

**Call for Abstracts/Papers:**  
 All the participants are requested to send their Abstracts, Articles and Research Paper through E-mail on [iciabspsd2024.mrk@gmail.com](mailto:iciabspsd2024.mrk@gmail.com) The last date of submission is 20th April, 2024. Selected Papers will be published in the Conference Proceeding/Edited Book with ISBN number. All papers should be typed in MS-Word in Times New Roman with Font size 12 & line spacing 1.5. Title of the paper should be in Times New Roman with Font size 14.

**Registration Fee**

|                           |           |
|---------------------------|-----------|
| Delegates                 | Rs. 600/- |
| Faculty of M.L.K. College | Rs. 500/- |
| Life Member of ABRF       | Rs. 500/- |
| Research Scholars         | Rs. 400/- |
| P.G. Students             | Rs. 250/- |

**Online Payment**  
 Scan the QR Code for Payment



**Account Details**  
 Bank Name: UCO Bank, Balmampur  
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 IFSC- UCBA0002899  
 Account Holder Name: Dr. Rajni Ranjan

**Registration link:**  
<https://forms.gle/8uHLA8H7ux46aQ8>

**Accommodations**  
 We have accommodation for resource person and invites only. Therefore, outstations participants are advised to arrange accommodation at their own expenses and iberty.

**International / National Advisory Committee**

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 Dr. Sush Srivastava, Principal Scientist, NBRI, Lucknow













# News And Media Coverage

## एम एल के पी जी कॉलेज में दो दिवसीय अंतरराष्ट्रीय सम्मेलन का आयोजन



**पहल टुडे**

बलरामपुर/एम एल के पी जी कॉलेज में जीवशास्त्र संकाय व अक्षय ने (एशियन बायोलॉजिकल रिसर्च फाउंडेशन) के संयुक्त तत्वाधान तथा डॉ. अरुण, डॉ. (कॉन्सिलेंट ऑफ साइंस एंड टेक्नोलॉजी उन्नय प्रोग्राम) द्वारा प्रोजेक्ट पर दो दिवसीय अंतरराष्ट्रीय सम्मेलन का आयोजन किया गया। सम्मेलन में देश-विदेश के कई प्रमुख विश्वविद्यालयों व महाविद्यालयों के शिक्षाविदों व शोधार्थियों द्वारा जीव विज्ञान और अनुपचारिक विज्ञान, अंतरराष्ट्रीय विषयों में नवोदय विज्ञान के परिशुद्ध विषय पर विस्तृत चर्चा हुई। अंतरराष्ट्रीय सम्मेलन के उद्घाटन समारोह का शुभारंभ मुख्य अतिथि उत्तर प्रदेश लोक सेवा आयोग के सचिव डॉ. आशोक कुमार वर्मा विशिष्ट अतिथि एवं निदेशक बायोटेक विज्ञान विभाग एम एल के पी जी कॉलेज के प्राचार्य डॉ. अरुण के नेतृत्व में हुआ। अंतरराष्ट्रीय सम्मेलन के प्राणियों के लिए शोधार्थियों का आह्वान किया। सम्मेलन का सफल संचालन महाविद्यालय के एसोसिएट प्रोफेसर श्री रामेश्वर सिंह ने किया। इस दौरान अतिथियों ने देश-विदेश के शिक्षाविदों व शोधार्थियों द्वारा प्रस्तुत एम्बेडेट

के प्रकाशित सेमिनार का विषयवस्तु किया गया। इसके पूर्व समारोह वंदना औपचारिक शुरुआत सरस्वती वंदना कार्यक्रम के दौरान महाविद्यालय के संयुक्त प्राचार्य व आयोग सचिव द्वारा मुख्य अतिथि डॉ. अरुण व डॉ. उत्तर प्रदेश के राज्यपाल वरिष्ठ को पदवी संज्ञा पर उन्ने बहुराज्य देने के लिए साक्षर का जोड़ा स्मृति चिह्न के रूप में अंतरा सम्मानित किया गया। वहीं खारुन (जीसा) संस्था द्वारा शिक्षा के क्षेत्र में अनुपनीय योगदान के लिए एम एल के महाविद्यालय के प्राचार्य प्रो. जी पी खारुन को मुख्य अतिथि ने डॉ. अरुण वरिष्ठों द्वारा सम्मानित अवार्ड से सम्मानित किया गया। इसके अतिरिक्त सभी सम्मानित अतिथियों को महाविद्यालय द्वारा स्मृति चिह्न व अंगवस्त्र तथा अक्षय द्वारा बायोटेक के प्रो. विनय चक्रवर्ती व नेपाल के प्रो. दिलीप झा को अंतरराष्ट्रीय सम्मेलन के प्राणियों के लिए शोधार्थियों का आह्वान किया। सम्मेलन का सफल संचालन महाविद्यालय के एसोसिएट प्रोफेसर श्री रामेश्वर सिंह ने किया। इस दौरान अतिथियों ने देश-विदेश के शिक्षाविदों व शोधार्थियों द्वारा प्रस्तुत एम्बेडेट

**Dr Rajiv Ranjan**  
Forwarded



**MLK महाविद्यालय में दो दिवसीय अंतरराष्ट्रीय... 6 देशों और 14 राज्यों से 400 शोधार्थी...**  
dainik-b.in

**MLK महाविद्यालय में दो दिवसीय अंतरराष्ट्रीय कॉन्फ्रेंस की शुरुआत: 6 देशों और 14 राज्यों से 400 शोधार्थी, शिक्षाविदों ने लिया हिस्सा**  
<https://dainik-b.in/xnskNy9P8Ib>

9:53 AM

~warsifari... +91 90057 00753



**\*एमएलके पीजी कॉलेज बलरामपुर के सभागार में अंतरराष्ट्रीय सम्मेलन का...**

youtu.be

<https://youtu.be/2MIYzyJgskk?si=cl9kcg1ilXjiDPaa>

लोकिया क्रांति हिन्दी टी.वी. चैनल पर

बलरामपुर

संख्यांक 5

## एमएलके पीजी कॉलेज में दो दिवसीय इंटरनेशनल सेमिनार प्रारंभ

**जीव शास्त्र संकाय द्वारा आयोजित किया जा रहा कार्यक्रम**



दो दिवसीय अंतरराष्ट्रीय सम्मेलन का शुभारंभ बलरामपुर के पीजी कॉलेज में जीवशास्त्र संकाय द्वारा आयोजित किया जा रहा है। कार्यक्रम में देश-विदेश के शिक्षाविदों व शोधार्थियों का सहभाग होगा।

## वनस्पति विज्ञानी पुरस्कार से सम्मानित हुए डॉक्टर आनंद

अमन लेखनी समाचार

बहराइच। किसान पीजी कॉलेज के प्राचार्य डॉ. विनय सक्सेना इस अंतरराष्ट्रीय कॉन्फ्रेंस में उपस्थित थे और वनस्पति विज्ञान विभाग के डॉक्टर आनंद श्रीवास्तव को वनस्पति विज्ञान में नवाचार शोध के लिए वनस्पति विज्ञानी पुरस्कार से पुरस्कृत किया गया है। महाविद्यालय प्रबंध तंत्र के सचिव मेजर डॉक्टर एसपी सिंह ने विद्यार्थियों के उत्कृष्ट प्रदर्शन के लिए बधाई दी है। महाविद्यालय से अन्य शिक्षकों डॉ. एस सी शुक्ला, डॉ. जी के शुक्ला, डॉ. अंजनी शुक्ला और डॉ. विनीत पटेल ने प्रतिभाग कर शोध पत्र प्रस्तुत किया।

