

Executive Committee

Dr. R.B. Srivastava, Assoc. Prof. Dept. of Mathematics, M.L.K.P.G. College, Balrampur
Dr. R.N. Singh, HOD, Geography, M.L.K.P.G. College, Balrampur
Dr. J.P. Pandey, Dept. of Physics, M.L.K.P.G. College, Balrampur
Dr. Veena Singh, Dept. of Mathematics, M.L.K.P.G. College, Balrampur
Dr. Shri Prakash Mishra, Dept. of B.Ed., M.L.K.P.G. College, Balrampur
Mr. Ram Asray Gautam, Dept. of Mathematics, M.L.K.P.G. College, Balrampur
Dr. Shiv Mahendra Singh, Dept. of Botany, M.L.K.P.G. College, Balrampur
Dr. Mohd. Akmal, Dept. of Botany, M.L.K.P.G. College, Balrampur
Dr. Lavkush Pandey, Dept. of Mathematics, M.L.K.P.G. College, Balrampur
Dr. Sunil Mishra, Dept. of Chemistry, M.L.K.P.G. College, Balrampur
Dr. Akanksha Tripathi, Dept. of Zoology, M.L.K.P.G. College, Balrampur
Dr. Azad Kumar, Dept. of Chemistry, M.L.K.P.G. College, Balrampur
Dr. Basant Kumar, Dept. of Chemistry, M.L.K.P.G. College, Balrampur
Dr. Jitendra Kumar, Dept. of Chemistry, M.L.K.P.G. College, Balrampur
Dr. Rishi Ranjan Pandey, Dept. of Chemistry, M.L.K.P.G. College, Balrampur
Mr. B.K. Pandey, HOD, Seed Technology, M.L.K.P.G. College, Balrampur
Dr. R.B. Tripathi, Dept. of Zoology, M.L.K.P.G. College, Balrampur
Dr. Alpana Parmar, Dept. of Zoology, M.L.K.P.G. College, Balrampur
Dr. Rajan Singh, Dept. of Seed Technology, M.L.K.P.G. College, Balrampur
Mr. Avinash Singh, Dept. of B.C.A., M.L.K.P.G. College, Balrampur
Mr. Abhishek Singh, Dept. of B.C.A., M.L.K.P.G. College, Balrampur
Mr. Vishnu Pt. Singh, Dept. of Environment, M.L.K.P.G. College, Balrampur

Organising Committee

Dr. Ashish Kumar Lal, Dept. of Pol.Sc., M.L.K.P.G. College, Balrampur
Dr. Alok Shukla, Dept. of Physics, M.L.K.P.G. College, Balrampur
Dr. Amrendra Kr. Singh, Dept. of Physics, M.L.K.P.G. College, Balrampur
Dr. K.K. Singh, Dept. of Commerce, M.L.K.P.G. College, Balrampur
Dr. Pankaj Srivastava, Dept. of Commerce, M.L.K.P.G. College, Balrampur
Mr. Masood Murad, Dept. of B.C.A., M.L.K.P.G. College, Balrampur
Dr. Devendra Chauhan, Dept. of Education, M.L.K.P.G. College, Balrampur

Coordinating Committee

Dr. Anil Mishra	Mr. Ajay Srivastava
Dr. Saurabh Mishra	Km. Nivedita Singh
Smt. Varsha Singh	Km. Priya Srivastava
Mr. Anand Bajpeyee	Km. Deeksha Srivastava
Smt. Usha Pandey	Mr. Durgesh Mishra
Km. Sakshi Srivastava	Mr. Gagan Srivastava
Mr. Sunil Srivastava	Smt. Tarannum

Chief Patron

Shriman Maharaja Jayendra Pratap Singh

Founder President

Patron

Prof. Surendra Dubey

Vice Chancellor : Siddharth University, Kapilvastu,
Siddharth Nagar
Co-Patron

Lt. Col. (Retd.) R.K. Mohanta

Secretary: Committee of Management

Sri. B.K. Singh

Joint Secretary: Committee of Management

Chairman

Dr. N.K. Singh

Principal, M.L.K.(P.G.) College, Balrampur

Co-ordinator

Dr. Ravindra Kumar Pandey

Co-ordinator: IQAC & Assoc. Prof. Botany

Convenor

Dr. Sadguru Prakash

Asst. Prof., Zoology & Examination Incharge

Secretaries

Dr. R.K. Singh (Head Chemistry)

Dr. A.K. Dwivedi (Head Physics)

Dr. P.K. Singh (Chief Proctor)

Dr. Nirmala Devi (Head Maths)

Dr. D.D. Tiwari (Assoc. Prof. Botany)

Dr. M. Ansari (Assoc. Prof. Chemistry)

Organising Secretaries

Dr. Ashok Kumar (Head, Dept. of Zoology)

Dr. Rajiv Ranjan (Asst. Prof. Dept. of Botany)

All communication should be addressed to:

Dr. Ravindra Kr. Pandey	Dr. Sadguru Prakash
Mob.: 9415407164	Mob.: 9415681514
Dr. Ashok Kumar	Dr. Rajiv Ranjan
Mob.: 9456087215	Mob.: 7007843131

E-mail: mlkscinatcon19@gmail.com, sadguruprakash@gmail.com

National Conference on

**Local Environmental Changes
Have Global Effects (LECGE-2019)**

25th & 26th, May, 2019

Circular- cum- Invitation

Jointly Organised by:



M.L.K.(P.G.) College, Balrampur (U.P.)

NAAC Accredited Grade 'A' (2011-16)



Forest Department, Uttar Pradesh



Global Environment & Social Association (GESA) New Delhi



Blue Planet Society (B.P.S.) Prayagraj (U.P.) INDIA



About the Conference

Changes in local environments can have global effects for several reasons. Animals, like birds, migrate from region to region. Air and water move among regions. Changes to the composition of air in one location will affect other locations as the air moves. The same is true for water. There is a scientific consensus that anthropogenic activities like burning of fossil fuels, emission of sulfur dioxide & continuous releasing of green house gases are the primary driver to change the environment. Many impacts of climate change have already been observed, including behavioral changes in animals, timing of flowering in plants, changes in agricultural productivity, global warming, rising in sea level, declines in Arctic sea ice & Glacier retreat.

Themes: The abstract/ Articles/ Research Papers to be presented in the conference are invited latest by **15th May, 2019** in MS-World (Times New Roman, Font size 12) file as attachment E-mail: mlk.scinatcon19@gmail.com, sadguruprakash@gmail.com

Besides the main stream address, following subthemes will also be incorporated for discussion in different technical sessions.

- * Impact of Climate Change on social sustainability.
- * Paradigms of Biodiversity and Conservation.
- * Recent advances in Life Sciences, Biochemistry, Biotechnology, Nanotechnology and Biophysics.
- * All aspects of biological resources in perspective and economic status.
- * Limnology, Toxicology, Entomology, Plant Pathology.
- * Any other relevant topic on main theme and subtheme.

Note: Selected Research Papers/Article/Short Communication will be published in the form of book with ISBN Number. Kindly e-mail your full paper before 15th May, 2019

Venue of Seminar

The venue is **M.L.K.(P.G.) College, Balrampur (U.P.)**. The College was accredited by NAAC Grade 'A' from 2011 to 2016. The College was established by Maharaja Sir Pateshwari Prasad Singh in the year 1955 and is more popularly known as '**Oxford of Tarai**'. The College is situated at a distance of 165 Km in the East from Lucknow & 170 Km. from Gorakhpur. The College is situated in the heart of city at distance 03 Km. from Balrampur Railway Station and 01 Km. from Jharkhandi Halt (Station).

Registration Fee

- (1) NGO & Industry Delegates - Rs. 1000/-
- (2) Scientist/Academician- Rs. 600/-
- (3) Research Scholar (with ID Card) - Rs. 400/-
- (4) P.G. Students (with ID Card) - Rs. 300/-

National Advisory Committee

Prof. Sandeep Singh, I.I.T. Roorkee
Prof. N.K. Dubey, Dept. of Botany, B.H.U.; Varanasi
Dr. P.P. Singh, Ex. Principal, Bareilly College, Bareilly
Prof. Yogendra Singh, Dept. of Zoology, Delhi University, Delhi
Dr. Ashwani Mishra, R.H.E.O., Gorakhpur
Prof. Ajay Srivastava, Dept. of Zoology, D.D.U. University, GKP
Prof. C.P.M. Tripathi, Ex Head, Dept. of Zoology, DDU University, GKP
Prof. Rajendra Singh, Ex Head, Dept. of Zoology, DDU University, GKP
Prof. Ajay Singh, Head, Dept. of Zoology, DDU University, GKP
Prof. A.K. Singh, Dept. of Zoology, B.H.U. Varanasi
Prof. V.N. Pandey, Head, Dept. of Botany, DDU University
Prof. Amita Kanaujia, Dept. of Zoology, University of Lucknow, LKO
Prof. Ramakant Pandey, Dept. of Biochemistry, Patna University, Patna
Prof. Vinay Singh, Dept. of Zoology, D.D.U. Gorakhpur
Prof. Ghanshyam Tripathi, Dept. of Zoology, J.N.V. University, Jodhpur
Prof. P.H. Pathak, Dept. of Zoology, D.D.U. Gorakhpur
Prof. Sunil Srivastava, Dept. of Zoology, D.D.U. Gorakhpur
Prof. Malvika Srivastava, Dept. of Botany, D.D.U. Gorakhpur
Prof. Yashvant Singh, Dept. of Env. Sci., Dr. R.M.L.A University, Ayodhya
Prof. M.P. Singh, Head, Centre of Biotechnology, Allahabad University
Prof. Naseem Ahmad, Dept. of Chemistry, IIT Roorkee
Prof. Abu Nasar, Dept. of Applied Chemistry, AMU, Aligarh
Prof. Amritesh Chand Shukla, Dept. of Botany, L.U., Lucknow
Prof. S.N. Pandey, Dept. of Botany, L.U., Lucknow
Dr. Ramesh Kr. Srivastava, Scientist E, CIMAP, Lucknow
Dr. Vinod Verma, Assoc. Prof., P.G.I., Lucknow
Dr. Manoj Kumar, Scientist, ICMR, Bhopal
Mr. R.K. Mittal, (IFS), D.F.O. Balrampur
Dr. B.C. Srivastava, Ex. Principal & HOD, Botany, S.P.P.G. College, Shorhatgarh
Dr. Rahul Singh, Dept. of Zoology, Lovely University, Jalandhar
Dr. Pramod Kumar, Asst. Prof., Dept. of Chemistry, JNRM, Andman & Nicobar

State Advisory Committee

Dr. J.P. Shukla, HOD, Zoology, S.H. Kishan P.G. College, Basti
Dr. P.R. Yadav, HOD, Zoology, D.A.V. College, Muzaffarnagar
Dr. A.K. Srivastava, Ex. HOD, Zoology, Bipin Bihari College, Jhansi
Dr. A.K. Srivastava, Head, Zoology, S.P.P.G. College, Shorhatgarh
Dr. A.K. Verma, HOD, Zoology, Govt. P.G. College, Saidabad, Prayagraj
Dr. H.P. Pandey, HOD, Botany, Ishwar Sharan Degree College, Prayagraj
Dr. Piyush Mishra, Dept. of Botany, HNB Govt. P.G. College, Naini, Prayagraj
Dr. Madhu Gupta, Dept. of Zoology, University of Lucknow, LKO
Dr. Rahul Gupta, Dept. of Biotechnology, AMITY University, Lucknow Campus

Dr. Jitendra Kumar, Asst. Prof, Zoology, G.D.C. Pihani, Hardoi
Dr. P.R. Singh, Dept. of Zoology, Allahabad University, Prayagraj
Dr. F.D. Yadav, HOD, Botany, K.S. Saket P.G. College, Ayodhya
Dr. Gopal Ji Kushwaha, HOD, Botany, S.H. Kisan P.G. College, Basti
Dr. Sheela Gupta, Dept. of Zoology, M.B.P.G. College, Dadri
Dr. S.V. Singh, Ex. HOD, Botany, M.L.K.P.G. College, Balrampur
Dr. J.S. Chauhan, Dept. of Botany, M.L.K.P.G. College, Balrampur
Dr. A.K. Singh, HOD, Botany, K.N.I.P.G. College, Sultanpur
Dr. J.P. Tewari, Ex. HOD, Botany, M.L.K.P.G. College, Balrampur
Dr. T.P. Mall, Ex. HOD, Botany, Kisan P.G. College, Bahraich
Dr. H.S.G. Rao, HOD, Botany, B.R.D. P.G. College, Deoria
Dr. Arvind Mishra, HOD, Botany, M.D.P.G. College, Pratapgarh
Dr. A.K. Srivastava, Ex. HOD, Chemistry, M.L.K.P.G. College, Balrampur
Dr. Kaushal Srivastava, Ex. HOD, Maths, M.L.K.P.G. College, Balrampur
Dr. K.K. Ansari, Ex. HOD, Zoology, M.L.K.P.G. College, Balrampur
Dr. M. Mishra, Ex. HOD, Zoology, M.L.K.P.G. College, Balrampur
Dr. P.K. Singh, Assoc. Prof. Botany, D.N.P.G. College, Gorakhpur
Dr. S.C. Tripathi, HOD, Botany, K.D.C., Bahraich
Dr. Indu Singh, HOD, Zoology, K.N.I.P.S.S., Sultanpur
Dr. Shail Pandey, HOD, Botany, M.G.P.G. College, Gorakhpur
Dr. P.N. Tripathi, HOD, Zoology, K.S. Saket P.G. College, Ayodhya
Dr. Mukul Sinha, HOD, Zoology, L.B.S. College, Gonda
Dr. Shrawan Srivastava, HOD, Botany, L.B.S. College, Gonda
Dr. R.N. Singh, Dept. of Zoology, K.N.I.P.S.S., Sultanpur
Dr. R.K. Pandey, Dept. of Zoology, K.N.I.P.S.S., Sultanpur
Dr. Rekha Sharma, Dept. of Botany, L.B.S. College, Gonda
Dr. Shiv Shankar, Dept. of Zoology, S.H. Kishan P.G. College, Basti
Dr. Pram Lata Barnwal, Dept. of Zoology, S.H. Kishan P.G. College, Basti
Dr. Sushmita Srivastava, Dept. of Zoology, S.H. Kishan P.G. College, Basti
Dr. Divya Singh, Dept. of Chemistry, Bareilly College, Bareilly
Dr. Deepa Singh, Dept. of Chemistry, Bareilly College, Bareilly
Dr. V.P. Singh, Dept. of Zoology, Y.D. College, Lakhimpur Kheeri
Dr. Akhilesh Sharma, Dept. of Zoology, S.P.P.G. College, Shorhatgarh
Dr. Dharmendra Singh, Dept. of Zoology, S.P.P.G. College, Shorhatgarh
Dr. Pragati Srivastava, Dept. of Botany, F.G. College, Raibareilly
Dr. Sarvesh Nigam, Dept. of Math, Pt. J.N.P.G. College, Banda
Dr. Jitendra Singh, Dept. of Physics, L.B.S. College, Gonda
Dr. R.P. Singh, Dept. of Chemistry, K.N.I.P.S.S., Sultanpur
Dr. Vinay Singh, Dept. of Botany, K.S. Saket P.G. College, Ayodhya
Dr. Neeraj Srivastava, Dept. of Botany, St. Andrew's College, GKP
Dr. S.P. Mishra, Assoc. Prof., Dept. of Zoology, Kulbhaskar P.G. College, Prayagraj

Honours and Awards

The GESA, BPS & IQAC will facilitate award and honour in following categories in each technical session.

- * Maharaja Dharmendra Patap Singh M.L.K. Shodh Ratan Puraskar
- * Best Oral Paper Presentation Award.
- * Best Poster Presentation Award.
- * Young Scientist Award (Below 35 years).
- * Social Environmentalist Award.

Local Environmental Changes Have Global Effect (LECGE-2019)

(Volume - 1)



Dr. Ravindra Kumar Pandey | Dr. Ashok Kumar | Dr. Sadguru Prakash | Dr. Rajiv Ranjan



Dr. Ravindra Kumar Pandey has been working as associate professor in department of Botany since 2001. He has completed his M.Sc. degree from D.D.U. Gorakhpur University, Gorakhpur in first division with specialization in genetics and molecular genetics in 1988 with NET-JRF (CSIR). He did his Ph.D. degree from R.M.L. Avadh University Ayodhya under supervision of Dr.J.P. Tewari. Dr.Pandey has published more than twenty research papers in reputed national and international journals and attended several seminars and symposia organized by various colleges and universities. He has written three books and delivered many popular lectures on various topics. Instead of other academic pursuit viz. member proctorial board, sports activities, NSS, etc. He has supervised more than 40 dissertation projects of P.G. students.



Dr. Ashok Kumar completed his master degree in 1988 and M.Phil in 2002 from C.C.S. University, Meerut. He has joined this college in 2007 as Assistant Professor and completed his Ph.D. Degree under supervision of Dr. Markandey Mishra. Dr. Kumar is a well known teacher and research scholar with publication of more than thirty research papers and paper presentation in more than 25 national and International seminar /symposia. He has been awarded fellowship from Blue Planet Society Prayagraj and many academic society for his contribution.



Dr. Sadguru Prakash is a well known research scholar with publication of more than 60 research papers. Dr. Prakash has started teaching from M L K PG College from 2002. He has attended twenty national and international conferences. He is a well known teacher of fisheries having diploma from CIFE Bombay. He has completed his P.G. Degree in 1992 and Ph.D. in 2000 from DR. R M L Avadh University, Ayodhya. He has been awarded fellowship from Blue Planet Society Prayagraj and many academic society for his contribution. He has co supervised one Ph.D. scholar and one M.Phil. student successfully.



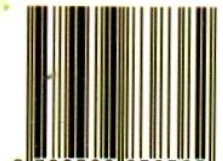
Dr. Rajiv Ranjan started his teaching career in 2003 after completing his Ph.D. Degree in Plant Pathology under supervision of Dr J.P. Tewari, M.L.K.P.G. College, balrampur and able guidance of late Prof. Ashwani Kr. Srivastava, D.D.U. Gorakhpur university, Gorakhpur. He has attended more than 20 conferences and published more than ten research papers. He has guided more than 30 dissertation projects of M.Sc students. He is equally active in other co-curricular activities of the college viz-programme officer NSS, Hostel warden, proctor etc.



Swaranjali Publication
swaranjalipublication@gmail.com
1-B, 10-B, Vasundhara,
Ghaziabad, (U.P. - 201012)
www.nrjp.co.in

Rs. 430/-

ISBN 978-93-88838-38-2



Local Environmental Changes Have Global Effect (LECGE-2019)

(Volume - 2)



Dr. Ravindra Kumar Pandey | Dr. Ashok Kumar | Dr. Sadguru Prakash | Dr. Rajiv Ranjan



Dr. Ravindra Kumar Pandey has been working as associate professor in department of Botany since 2001. He has completed his M.Sc. degree from D.D.U. Gorakhpur University, Gorakhpur in first division with specialization in genetics and molecular genetics in 1988 with NET-JRF (CSIR). He did his Ph.D. degree from R.M.L. Avadh University Ayodhya under supervision of Dr.J.P. Tewari. Dr.Pandey has published more than twenty research papers in reputed national and international journals and attended several seminars and symposia organized by various colleges and universities. He has written three books and delivered many popular lectures on various topics. Instead of other academic pursuit viz. member proctorial board, sports activities, NSS, etc. He has supervised more than 40 dissertation projects of P.G. students.



Dr. Ashok Kumar completed his master degree in 1988 and M.Phil in 2002 from C.C.S. University, Meerut. He has joined this college in 2007 as Assistant Professor and completed his Ph.D. Degree under supervision of Dr. Markandey Mishra. Dr. Kumar is a well known teacher and research scholar with publication of more than thirty research papers and paper presentation in more than 25 national and International seminar /symposia. He has been awarded fellowship from Blue Planet Society Prayagraj and many academic society for his contribution.



Dr Sadguru Prakash is a well known research scholar with publication of more than 60 research papers. Dr. Prakash has started teaching from M L K P G College from 2002. He has attended twenty national and international conferences. He is a well known teacher of fisheries having diploma from CIFE Bombay. He has completed his P.G. Degree in 1992 and Ph.D. in 2000 from DR. R M L Avadh University, Ayodhya. He has been awarded fellowship from Blue Planet Society Prayagraj and many academic society for his contribution. He has co supervised one Ph.D. scholar and one M.Phil. student successfully.



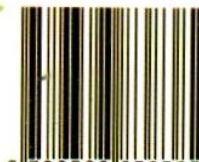
Dr. Rajiv Ranjan started his teaching career in 2003 after completing his Ph.D. Degree in Plant Pathology under supervision of Dr J.P. Tewari, M.L.K.P.G. College, balrampur and able guidance of late Prof. Ashwani Kr. Srivastava, D.D.U. Gorakhpur university, Gorakhpur. He has attended more than 20 conferences and published more than ten research papers. He has guided more than 30 dissertation projects of M.Sc students. He is equally active in other occurrucular activites of the college viz-programme officer NSS, Hostel warden, proctor etc.



Swaranjali Publication
swaranjalipublication@gmail.com
1-B, 10-B, Vasundhara,
Ghaziabad, (U.P. - 201012)
www.nrjp.co.in

Rs. 430/-

ISBN 978-93-88838-38-2



Local Environmental Changes Have Global Effect

(Volume - 3)



Dr. Ravindra Kumar Pandey | Dr. Ashok Kumar | Dr. Sadguru Prakash | Dr. Rajiv Ranjan



Dr. Ravindra Kumar Pandey has been working as associate professor in department of Botany since 2001. He has completed his M.Sc. degree from D.D.U. Gorakhpur University, Gorakhpur in first division with specialization in genetics and molecular genetics in 1988 with NET-JRF (CSIR). He did his Ph.D. degree from R.M.L. Avadh University Ayodhya under supervision of Dr.J.P. Tewari. Dr.Pandey has published more than twenty research papers in reputed national and international journals and attended several seminars and symposia organized by various colleges and universities. He has written three books and delivered many popular lectures on various topics. Instead of other academic pursuit viz. member proctorial board, sports activities, NSS, etc. He has supervised more than 40 dissertation projects of P.G. students.



Dr. Ashok Kumar completed his master degree in 1988 and M.Phil in 2002 from C.C.S. University, Meerut. He has joined this college in 2007 as Assistant Professor and completed his Ph.D. Degree under supervision of Dr. Markandey Mishra. Dr. Kumar is a well known teacher and research scholar with publication of more than thirty research papers and paper presentation in more than 25 national and International seminar /symposia. He has been awarded fellowship from Blue Planet Society Prayagraj and many academic society for his contribution.



Dr Sadguru Prakash is a well known research scholar with publication of more than 60 research papers. Dr. Prakash has started teaching from M L K P G College from 2002. He has attended twenty national and international conferences. He is a well known teacher of fisheries having diploma from CIFE Bombay. He has completed his P.G. Degree in 1992 and Ph.D. in 2000 from DR. R M L Avadh University, Ayodhya. He has been awarded fellowship from Blue Planet Society Prayagraj and many academic society for his contribution. He has co supervised one Ph.D. scholar and one M.Phil. student successfully.



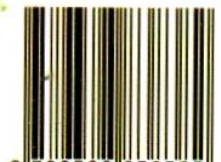
Dr. Rajiv Ranjan started his teaching career in 2003 after completing his Ph.D. Degree in Plant Pathology under supervision of Dr J.P. Tewari, M.L.K.P.G. College, balrampur and able guidance of late Prof. Ashwani Kr. Srivastava, D.D.U. Gorakhpur university, Gorakhpur. He has attended more than 20 conferences and published more than ten research papers. He has guided more than 30 dissertation projects of M.Sc students. He is equally active in other cocurricular activites of the college viz-programme officer NSS, Hostel warden, proctor etc.



Swaranjali Publication
swaranjalipublication@gmail.com
1-B, 10-B, Vasundhara,
Ghaziabad, (U.P. - 201012)
www.nrjp.co.in

Rs. 430/-

ISBN 978-93-88838-38-2



**RECOMMENDATIONS
OF
NATIONAL CONFERENCE
on
Local Changes have Global Effects
(25-26 May 2019)
Organized by IQAC and Faculty of Science
M.L.K.(P.G.) College, Balrampur (U.P.)
in association with
Forest Department Balrampur,
GESA, New Delhi and Blue Planet Society, Allahabad**

The issues on **Local Changes have Global Effects** are centre of discussion among participants. These two issues are inter-twined in such a way that any change in the local environment affects directly or indirectly the Global environment. In the present conference following conclusions have been drawn after deliberations by Scientist, delegates, students, and people and policy makers. The planet is divided into three important horizons atmosphere, Lithosphere and hydrosphere. All these horizons work together. The Prof Sandeep Singh, IIT Roorkee as Key note speaker, has emphasized the use of remote sensing to study the environment. The changes in landscape due to anthropogenic development is alarming for future. Thus developmental strategies should be rethought. Chief guest Prof Y K Sharma, Retd HOD Botany and Environmental Studies of Lucknow university, Lucknow has awared the people about changes in the environment in last 20 years. He has advised that minimum and sustainable use of natural resources can save the mother planet. Environmental pollution at local level are responsible for global climatic changes because there is no physical boundary to separate environment of one country from other. Instead of these two resource persons Prof Rajendra Singh, Prof. P.H. Pathak of department of Zoology, DDU Gorakhpur University Gorakhpur has emphasized the effect of local environment on insect population that constitute major biodiversity. It should be checked. The conclusions drawn after deliberation and discussions are-

1-The environment is global issue; it should be studied and enforced in that context. Presently it is under stress because-

There is high population growth rates in rural areas as well as in the India, due to this human induced factors habitat degradation and destruction became common phenomenon. It should be immediately controlled. As a result of our own actions and interactions, desertification has claimed more and more fertile lands. Adverse effects of climate change are being witnessed every day. Natural disasters have become more frequent and more devastating than earlier.

The main targets of the environmental studies goals should be-

- * To integrate environmental issues into state & country policies and programs,
- * To reverse the ongoing devastation of natural resources, and
- * To enhance environmental services.

2-Green biotechnology which is more commonly known as Plant Biotechnology is a rapidly expanding field within Modern biotechnology needs more emphasis. Use of environment friendly and cost effective alternatives to industrial chemicals such as bio fuels, bio fertilizers and bio pesticides are not only resulting in enhanced crop output, improvement in health and safety standards, these new products are also leading to less environment pollution and use of green technology.

3-Participation of diverse stakeholders is critical for promoting integration and mainstreaming of biodiversity considerations. In this context, a large number of NGOs have been making significant contribution and playing a pivotal role as an interface between the Government and community groups.

4-A multidisciplinary, holistic and integrated institutional mechanism is in place to address the elements.

This include relevant departments in the states such as forest, agriculture, horticulture, irrigation, science and technology, and various specialized national and state level institutions, which predominantly deal with biodiversity issues must be in co ordination.

5- Governments, should work with the full and effective participation of indigenous and local communities. The economic hardship are primary cause of nature exploitation, so conservation strategies should linked to **eradication of poverty**, otherwise we cannot attain the goal.

Thus, indiscriminate exploitation of nature and natural resources should be immediately checked through proper **education, and legislations** without any time gap.

(Prof.N.K.Singh)
Principal

(R.K.Pandey)
Coordinator

(Sadguru Prakash)
Convenor

(Ashok Kumar/Rajiv Ranjan)
Organizing secretary

