

Time	Item	Name of the Speaker/Performer
11.15-1.15	(6) Papers Presentation (V) (Sub: Chemical Sciences)	
11.30-11.15	Keynote Lecture (V)	Prof. Chitranjan N. Daftuar Chairman & Managing Director Salahkar Consultant, Pune
11.15-1.15	(6) Papers Presentation (VI) (Sub: Clinical Psychology)	
10.30-11.15	Keynote Lecture (VII)	Prof. B. G. Prasad Head of the Department of Mathematics B. N. College, Patna, India
11.15-1.15	(6) Papers Presentation (VI) (Sub: Mathematical Sciences)	
1.30-2.30	LUNCH BREAK	
PARALLEL TECHNICAL SESSIONS : BIOLOGICAL SCIENCES (ANIMAL SCIENCES)/PHYSICAL SCIENCES/EARTH SCIENCES		
2.30-3.15	Keynote Lecture (VIII)	Prof. R. K. Sinha (Dept. of Zoology, Patna University, Patna) Chairman, Asian River Dolphin Committee
3.15-3.45	Special Lecture (IV)	Dr. Abul Farah Research Professor, Chosun University, Korea
3.45-5.15	(6) Papers Presentation (VII) (Sub: Animal Sciences)	
2.30-3.15	Keynote Lecture (IX)	Prof. N. K. Pandey, Dept. of Physics, University of Lucknow
3.15-3.45	Keynote Lecture (X)	Prof. Raman K. Jha Principal, Surendra Institute of Engineering & Management (SIEM), Siliguri
3.45-5.15	(6) Papers Presentation (VII) (Sub: Physical Sciences)	
2.30-3.15	Keynote Lecture (XI)	Dr. Sanjay Kumar Principal Scientist & Head Zonal Coordinator, Wheat & Barley (NHZ), Indian Agricultural Research Institute [ICAR], Shimla, India
3.15-3.45	Special Lecture (V)	Prof. R.B.P. Singh Former Pro Vice Chancellor, NOU HOD, Dept. of Geography, P.U.
3.45-5.15	(6) Papers Presentation (VI) (Sub: Earth Sciences)	
5.15-5.45	TEA BREAK with Poster Presentation and Evaluation Session	
COMBINED SESSION: MAIN HALL		
5.45-6.30	Plenary Lecture (IV)	Prof. Shamshad Hussain Eminent Psychologist & Professor of Psychology, Patna University

Time	Item	Name of the Speaker/Performer
9.30-9.30	Poster Pasting	Environmental Sciences, Biotechnology Special Meeting of the Global Scientific Council
9.00-10.30		
PARALLEL TECHNICAL SESSIONS : ELECTRONICS SCIENCES & IT(Phase-2), EARTH SCIENCES, ENVIRONMENTAL SCIENCES, BIOTECHNOLOGY		
10.30-11.15	Keynote Lecture (XII)	Prof. H. C. Verma Dept. of Physics, Indian Institute of Technology, Kanpur
India		
11.15-11.45	Special Lecture (VI)	Somsing Rathod Scientist, DRDO, Bangalore
11.45-12.30	Special Lecture (VII)	P. K. Sinha Director - Astric, President - TIE, Patna & Member - CSI, BCC & Bihar IT Association
12.30-1.15	3 papers Presentation (X) (Sub: Electronics Science / IT)	
10.30-11.15	Keynote Lecture (XIII)	Prof. V. N. Sharma Environment & Water Management Consultant and Chairman, Jharkhand Vigyan Manch
11.15-11.45	Special Lecture (VII)	Prof. I. A. K. Gosh, HOD Environmental Science, A. N. College, Patna
11.45-1.15	(6) Paper Presentation (XII) (Sub: Environmental Science)	
10.30-11.15	Keynote Lecture (XIV)	Prof. R. N. Trivedi Former Prof. Head Dean Deptt. of Forest Ecology Biodiversity, Env. Science, Mizoram Central University (Aizawalo, Director Dean I ndian Insitute of Biotechnology, Dr. ZHI, Patna)
11.15-11.45	Special Lecture (VII)	Prof. Jainendra Kumar HOD, Botany and Biotechnology College of Commerce, Patna
11.45-1.15	6 Papers Presentation Sub : Life Sciences/Biotechnology	
1.15-1.45	LUNCH BREAK	
1.45-2.30	POSTER Presentation and Poster Evaluation	
2.30-3.30	Panel Discussion	
3.30-5.30	VALEDICTORY SESSION	
Chief Guest, Hon'ble Governor Bihar Keynote Presentation : All sponsor organizations Head as Guest		

***: waiting for confirmation.**

Note:

- Total Technical Lecture: 27(Inaugural Keynote:1,PlenaryLecture: 5, Keynote lecture: 14, Special Lecture: 7)
- The maximum time allotted for Keynote speaker is 45 minutes only) that includes question/answer sessions.
- The maximum time allotted for delegates is 12 minutes.
- The maximum time allotted for special presenter is 30 minutes.
- Poster presenter must paste their presentation sheet/poster in the morning 9.00 a.m at the specified place of the conference hall. During Poster evaluation and Poster presentation session, they must be present. However, it is advised that poster presenter must be present near their poster during whole day of the conference to interact with the visitor.
- Oral Presenter must submit their presentation (PPT) one day before their presentation schedule to organizing committee.
- Keynote presenter and special presenter should send their full paper for proceedings and PPT for presentation on or before Feb 6, 2010.

Contact :

BiharBrains Development Society

(Registered Society under Indian Society Act 21,1860)

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3rd Bihar Science Conference 2010

11-13, February, 2010

Information Brochure



BIHAR BRAINS

In search of Brains of Bihar

Organised By :

BiharBrains Scholastic Center

(Under BBrains Development Society)

Hosted by :

Gaya College, Gaya

(NAAC Accredited Grade 'A' CGPA-3.08)

Magadh University, Bodh Gaya



Welcome

Dear Friends

Greetings!

BBrains Development Society, with acronym of 'Bihar Brains' has started this praiseworthy series for which young scientists of Bihar should be highly obliged. The popularity of this conference has gained momentum and I feel proud to say that this conference is becoming "show case to Bihar" and has potential to rejuvenate scientific research environment in the state.

I feel privileged to host this prestigious 3rd Bihar Science Conference 2010 on the sprawling campus of Gaya College, Gaya – the premier constituent unit of Magadh University, Bodh-Gaya. College family is really delighted to welcome scientists of various parts of India and abroad at the college premises.

The Conference is providing an opportunity of interaction among young scientists of Bihar doing

researches in different fields of knowledge. Eminent scientists attending the Conference would enlighten our participants with new vistas of scientific progress and thought-provoking discussion among young scientists would lead to reinvigorating collaborative and inter-disciplinary research in centers of higher education in Bihar.

I wish the Conference to be a great success augmenting original, inter-disciplinary and collaborative research activities in Bihar. Please don't hesitate to give us your feedback and comment after the conference.

Prof. Shreekant Sharma
Chairman
3rd Bihar Science Conference, 2010
(Principal, Gaya College, Gaya &
Dean, Faculty of Management, MU Bodh-Gaya)

Journey of the Bihar Science Conference

Bihar Science Conference is organized by BBrains Development Society every year on the pattern of Indian Science Congress. It was started in 2008. The first Bihar Science Conference was hosted by Patna University at Patna Science College on May 7-9, 2008. It was inaugurated by Sri Nitish Kumar, Hon'ble Chief minister of Bihar. The primary objectives of this conference are to create scientific environment in the state, help to grow local scientist and support Bihar based R&D institutions through national and international collaborations and scientific interactions. This conference is organized under 25 member Global Scientific Council which was formed by the society during first Bihar Science conference, 2008 (BSC 2008).

The second Bihar Science Conference was hosted by Magadh University at College of Commerce, Patna. Once again third Bihar Science Conference is being hosted by Magadh University at Gaya College, Gaya, a prestigious constituent unit of Magadh University.

Around 600 delegates participate every year to this conference. The list of participating universities (who have participated in the past and participating in this year) are NASA (USA), Colorado state university (USA), Ohio state university (USA), University of Leeds (UK), Ryerson University (Canada), University of Oxford (UK), Chosun University (Korea), Max Planck Research Institute (Germany), JNU (Delhi), IIT (Mumbai), IIT (Delhi), IIT (Kanpur), IISER (Bangalore), University of Hyderabad (Hyderabad), IIT (Patna), Aligarh Muslim University (Aligarh), Banaras Hindu University (Varanasi), Indian Institute of Packaging (Hyderabad), CCMB (Hyderabad), NIT (Patna), Tata Institute of Fundamental Research (Mumbai), IIM (Ahmadabad) and all Bihar and Jharkhand based universities etc.

The young scientist award is given to the participants every year for the best papers and posters.

About Organizing Society

BBrains Development Society, commonly known as 'BiharBrains', is a non profit organization registered under society Act with special focus on awareness building on education and creating environment for research and development in Bihar. This is a global development forum for Bihar where member put his proposal and consent in online discussion forum (biharbrains@yahoogroups.com). After discussion, project is implemented in Bihar. The forum came in existence in 2004 and was registered as society in 2007. It is being run by NRIs, NRBs and educated people of Bihar and has established its office in Patna. It has 19 chapters in various parts of India and abroad including USA, Canada, Australia, Korea, Singapore, UAE and Saudi Arabia. The details can be seen at www.biharbrains.org

BiharBrains Scholastic Center (BBSC), is a unit of BBrains Development Society whose main objectives are (1) to impart knowledge and develop quality workforce in the fields of Cutting Edge Technology, Life Sciences, Human Science & Behavior etc. (2) To organize science conferences, scientific festivals, popular lecture series & seminars, development conferences/meet, orientation programs etc. (3) To provide consultancy to youngsters for jobs and

higher study in abroad and provide technical/financial support to the local experts and entrepreneurs.

Since its inception in 2005, BiharBrains Scholastic Center, BBSC has successfully executed projects related to science & technology, human resource and development and other philanthropic areas. It also organizes short term courses, workshops, seminars, orientation programs on cutting edge technology and other career courses for youngsters. It has become projects execution center for the NRIs and erudite of this region who wish to execute their own ideas of projects as an individual or as group.

Bihar Science Conference ([www.bbscindia.com/Science Conference](http://www.bbscindia.com/Science%20Conference)), Manthan, an International research e-journal (www.bbmanthan.info), needy talent search scheme are some of the projects of this center which are doing great and have potential to make a difference.

The Center for Advanced Technology and Research (CATR) and Patliputra University of Science and Technology are being planned to be established by the society in association with national and international research organizations.

About Hosting College:

Magadh University is one of the largest universities of Bihar and India. Magadh University, Bodh Gaya (Gaya) took its origin in the year 1962 by the Government of Bihar under Bihar Universities Act IV of 1961. The University headquarter is situated at a distance of 15 km. from Gaya city on an open location with a large sprawling campus. The university is famous for its verdurous and large environs and for its International study centre for Buddhist students coming from countries like Tibet, Japan, Myanmar and Thailand.

Gaya College, Gaya had a modest start in 1944 on the eastern side of the legendary Phalgu River with a vision of "Enlightenment and personality development of younger generation through education to make them an asset to the nation". Immediately after Independence, the College was shifted to the present campus in 1948. The chief intent of the mission was to impart quality teaching in various disciplines of higher education. It is blessed with a sprawling campus stretched over 57 acres of land. The college had affiliations with different Universities of the state like Patna University, Patna and Bihar University, Muzaffarpur and is proud of being the first constituent unit of Magadh University, Bodh Gaya, established in 1962.

The College was assessed by NAAC Peer team in January, 2008 and has been accredited with Grade – A (CGPA: 3.08) in February, 2008.

The College is spread over a vast campus of around 60 acres of land with huge buildings with well maintained class rooms and well equipped labs, seminars, central library, auditorium, gymnasium, boys hostel, girls hostels and administrative block with adequate civic amenities in all the buildings.

Gaya College ranks with the outstanding academic institutions of the country. It imparts Undergraduate and Post Graduate teaching in the faculties of Humanities, Social Sciences, Science, Commerce, Computer Science and Management along with inter-disciplinary vocational courses. The College has kept pace with the changing time and has diversified teaching programs by introducing Management, Computer Applications, Electronics, IT, Bio-chemistry and Bio-technology courses. The College has consistently maintained highest academic standards in different faculties which are evident from the highest score in results of students in various examinations conducted by the University.

For detail, please go through :
<http://www.gayacollege.org>

Topic and Scientific events:

The conference will mainly focus on the research areas in the following disciplines

- Physical Sciences
- Chemical Sciences
- Biological Sciences
- Mathematical Science
- Medical Sciences
- Clinical Psychology
- Earth Sciences, Electronics and Information Technology
- Water Resource Management

Events:

Plenary & keynote Lectures, Oral & Poster presentations, Scientists meeting and discussion, Young Scientist Award, Excursion Tour of Gaya, High tea and Dinner etc.
Technical session will be arranged in parallel.

Theme of the conference:

Improvement of Research Quality towards Sustainable Development

Research generates new scientific knowledge required for technological development which has impact on socio economic growth and development of the nation. The improvement in quality of research and value addition is important for sustainable development. The achievement made through scientific researches should be directed towards sustainability. Although researches in science and technology during last fifty years have made significant contribution but there has been less research in Bihar due to lack of desirable awareness, motivation and proper infra structures despite vast natural resources and man power. Researches must be prioritized with emphasis on quality of work which can be made possible through generating scientific temperament and creating favourable working environment for research. Both fundamental and applied researches are of equal importance because the findings of fundamental research have been of enormous value for carrying out researches in desired direction, the so called need based research. In the modern age, the dimension of research has undergone radical change and interdisciplinary research has emerged.

There is need to formulate measures to foster the spirit of scientific research. The quality research requires motivation of young mind to take up new challenges required for development. The political apparatus of the country should have clear vision about the scientific and technological researches which are going to play a key role in socio economic development of the nation. The proper development of infra structure and facilities for research is the prerequisite to attain this goal. There is a need for development and modernization but the goal of development should be environmentally sound and sustainable. Commitment and devotion are of prime importance in taking the challenges of quality research for sustainable development. The objective of present third Bihar Science Conference being held at Gaya College, Gaya, a premiere college of Magadh University Bodh-Gaya is to provide an opportunity of interaction among young scientists doing research in various field of science and technology to discuss the measures for improvement of quality research for sustainable development. The thought provoking discussion among students, researchers and scientists will lead to collaborative and inter disciplinary research in centres of higher education in Bihar.

Organising Committee

Patrons

Prof. B N Pandey, Vice Chancellor, Magadh University, Bodh-Gaya
Prof. S. E. Hasnain, Vice Chancellor, Hyderabad Central University, Hyderabad
Prof. Bilat Paswan Shastri, Pro Vice Chancellor, Magadh University, Bodh-Gaya
Sri Bibhuti Bikramaditya, Global Chairman, BBrains Development Society

Chairman

Prof. Shreekant Sharma, Principal, Gaya College, Gaya & Dean Faculty of Management, MU Bodh-Gaya e-mail: gcgprincipal@gmail.com

Vice Chairpersons

Dr. A N Rai, Retd. Prof. of Medicine, ANMMCH, Gaya
Dr. Ghulam Samdani, Principal
M.G.College, Gaya

Convener

Dr. Arvind Kumar Sinha, Prof.essor of Botany & Co-ordinator, Dept. of Biotechnology, Gaya College, Gaya e-mail : sinha.arvind.kumar26@gmail.com

Members

Prof. Munishwar Kumar, Dept. of Chemistry
Gaya College, Gaya
Prof. S N Chakhaiyar, PG Dept. of Botany
M.U. Bodh-Gaya
Prof. Md. Ilyas, Dept. of Mathematics
Gaya College, Gaya
Prof. Ajit Kumar Singh, Dept. of Botany, Gaya College, Gaya
Prof. Shivadhar Sharma, PG Dept. of Chemistry
MU Bodh-Gaya
Prof. Nalin Kumar Shastree, PG Dept. of Botany
MU Bodh-Gaya
Prof. R P S Chauhan, Co-ordinator, Dept. of Biochemistry, Gaya College, Gaya
Dr. S S Sharma, Dept. of Botany, Gaya College, Gaya
Dr. Rajesh Kumar Sinha, Dept. of Zoology, Gaya College, Gaya
Dr. Narendra Pd. Singh, Dept. of Physics
Gaya College, Gaya
Dr. I N Mishra, PG Dept. of Botany
L.N.M.U. Darbhanga
Dr. Reshman Yasmin, Dept. of Zoology
Gaya College, Gaya
Dr. Rajesh Kumar, PG Dept. of Botany
V.K.S. University, Ara
Dr. Afaque Anzar, Dept. of Physics
Gaya College, Gaya

Dr. Manoj Kumar Srivastava, Dept. of Chemistry
Gaya College, Gaya
Dr. Ajay Kumar Sinha, Dept. of Geography
Gaya College, Gaya
Dr. Jawaid Ashraf, Dept. of Psychology
Gaya College, Gaya
Dr. Krishneshwar Sharma, PG Dept. of Zoology
MU Bodh-Gaya
Dr. Saket Bihari Singh, Dept. of Math
A M College, Gaya
Dr. B N Upadhyaya, Dept. of Math
Gaya College, Gaya
Dr. Ashok Kr Sinha, PG Dept. of Geography
MU Bodh-Gaya
Dr. L K Mishra, PG Dept. of Physics
MU Bodh-Gaya
Dr. R K P Yadav, Dept. of Mathematics
Gaya College, Gaya

Advisory Committee

Prof. K B Sharma, Head, PG Dept. of Zoology, & Dean, Faculty of Science, MU Bodh-Gaya
Prof. Binay Kr Sinha, Head, PG Dept. of Chemistry
MU Bodh-Gaya
Prof. Nandjee Kumar, Head, PG Dept. of Botany
MU Bodh-Gaya
Prof. L.K. Mishra, Retd. Prof.essor of Chemistry
Patna University, Patna
Prof. Harendra Singh, Head, P.G. Dept. of Physics
MU Bodh-Gaya
Prof. R.B.S. Yadav, Head, P.G.Dept. of Math
MU Bodh-Gaya
Dr. Ranjit Kumar Verma, Prof.. of Chemistry & CCDC
MU Bodh-Gaya
Dr. D.K. Yadav, Prof. of Botany & Registrar
MU Bodh-Gaya
Dr. Madan Murari, Principal, S. Sinha College
Aurangabad
Dr. K.K. Narayan, Controller of Examination
MU Bodh-Gaya
Dr. Shamshul Islam, Principal, SMS G College Sherghati
& PRO, MU Bodh-Gaya
Prof. . Md. H. R. Khan, Head, Dept. of Psychology
MU Bodh-Gaya
Dr. Haridwar Singh, Principal, A.N.College, Patna
Dr. Arjun Prasad Singh, Principal, A.M.College, Gaya
Dr. Subhash Prasad Sinha, Principal, College of
Commerce, Patna
Dr. Saroj Kumar Verma, CCDC, Jai Prakash University,
Chhapra
Dr. Ghulam Mustafa, Registrar
MMHA & P University, Patna
Dr. Pandey Rajeshwari Prasad, Retd Prof. & Surgeon,
Gaya

