



# 4<sup>TH</sup> BIHAR SCIENCE CONFERENCE 2011

DATE: 11-13<sup>TH</sup> FEBRUARY, 2011  
PRESENTATION





# The event....

- 4th Bihar Science Conference in a series started since 2008.
- Focus on all subject areas of Science:
  - ❖ Biological Science
  - ❖ Earth science
  - ❖ Chemical Science
  - ❖ Electronic and Information Technology
  - ❖ Physical Science
- Main Feature include
  - ❖ Invited lectures
  - ❖ Young Scientist Awards
  - ❖ Plenary Lectures
  - ❖ Excursion tour of Gaya
  - ❖ Scientists Meeting and discussion
  - ❖ High Tea, Lunch & Dinner etc.
  - ❖ Oral & Poster Presentation





# Motive behind conference...

- The objective of the conference is to bring together experts from various fields to evaluate the existing information, to interpret the presented data, to discuss the suitable measures for clear and useful results and finally to explore if the collective efforts are promising to achieve favorable working environment for research and development in the state.
- This conference will be an excellent opportunity to report your research outcome in the frontline areas of science and technology.
- National and international scientists from government, academia and research institutes are welcome to present and discuss the research work.





# Who we are....

- BBrains Development Society, commonly known as 'BIHAR BRAINS', 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. The society came in existence in 2004 and has established its office in Patna. It is being run by NRIs, NRBS and educated people of Bihar.
- BSC is a motivational & ethical promotion of science & Technology under aegis of BBrains Development Society.



# Goals and Objective

- To form a group of intellectuals in different parts of India and Abroad (NRIs/NRBS.).
- To form group of Scientific Intellects, R&D Professionals and Business Gurus.
- To volunteer for the development of rural Bihar.
- To make bridge between NRIs/NRBS and encourage them to invest in Bihar.
- To create healthy educational and work environment in Bihar.
- To help young engineers/scientists in building their careers in India and abroad.



# Global Scientific Council



## Category India

- Prof. J. Thakur , Ex-VC, Patna University, Patna; Patron
- Prof. A. ahsan, Pro VC, Patna University: Patron
- Prof. A. Yadav, Ex-VC, BRA University, Muzaffarpur; Advisor
- Prof. Rajmani Pd. Sinha, ex- VC, Mithila University, Darbhanga,; Chairman
- Prof. Dolly Sinha, Principal Magadh Mahila College, Patna; Convenor
- Dr. Santosh Kumar, Dept. of Physics, B.S.College, Danapur; Co-convenor
- Prof. M.K.Mishra, HOD, Chemistry, IIT, Mumbai , Vice Chancellor, Lucknow University, ; Sub (Chemical Science)
- Prof. Vijay A. Singh, National coordinator, National Science Olympiads, TIFR, Mumbai (Sub; Physical Sciences)
- Prof. H.C. Verma, Dept. of Physics, Indian Institute of Technology, Kanpur, India (Sub: Physical Sciences)
- Prof. Santosh Kumar, former HOD, CWRS, NIT, Patna (Sub: Agriculture/Earth Science)
- Dr. B.K. Sharma, HOD, Electronics, National Institute of Technology, Patna (Sub; Electronic Sciences)

# Global Scientific Council



## Category India

- Prof. KV Sriniwasan, Ex-HOD, Chemistry, Patna University, Patna (Sub; Chemical Sciences)
- Prof. Raman Kumar Jha, Dean, Sikkim Manipal University (Sub; Physical Sciences)
- Prof. R.K. Sinha, Dept. of Zoology, Patna University (Sub; Biological Sciences)
- Prof. A.K. Ghosh, Dept of Water Management, A.N College, Patna (Sub: Agriculture/Earth Sciences)
- Prof. Jainendra Kumar, HOD Botany and Biotechnology, College of Commerce, Patna (sub: Biological Sciences)

## Category : Abroad

- Dr. U.N. Singh, Chief Technologist, NASA Langley Research Center, NASA, USA (Sub; Physical Sciences)
- Prof. Brajendra Mishra, HOD, Colorado School of Mines, USA (Sub; Chemistry)
- Prof. Animesh Jha, Chair, Institute of Material Sciences, Univ of Leeds, UK (Sub: Physical Sciences)
- Prof. Hoon Taek Lee, Director of Animal Biotechnology, Konkuk University, Korea





# Global Scientific Council

*Category : Abroad*

- Dr. Ajay Kumar Jha, Program Director, Agriculture and Agribusiness, Colorado State University, USA (Sub: Agriculture/Earth Sciences)
- Dr. Sudhir Ranjan, Research Scientist, Carnegie Mellon University, Pittsburgh, USA
- Dr. Manis Kumar Jha, Invited Scientist, KIGAM, Korea (Sub: Chemical Sciences)
- Dr. Bhaskar Choubey, Dept. of Engineering Sciences, University of Oxford, UK (Sub: Electronic Sciences)
- Dr. Dinesh Kumar Singh, Research Scientist, Green Center for System Biology, Texas, USA (Sub: Biological Sciences)
- Dr. Abul Farah, Research Scientist, Chosun University, Korea (Sub: Biological Sciences)
- Mr. Ashish Kumar, Dept. of Medical Sciences, Univ of Oxford, UK (Sub: medical Science)



# Organising Committee

## PATRONS:

PROF. (Dr.) RAJDEO SINGH

Vice chancellor, B.R.A.Bihar University, Muzaffarpur

Prof. S.E Hasnain,

Vice Chancellor Hyderabad University, (SAC-PM, Govt. of India)

Bibhuti Bikramaditya

Chairman, B.Brains Development Society

## Chairperson:

Dr. Sunity Pandey, Principal LS College, Muzaffarpur

## Vice Chairperson:

Dr. R.K. Sinha, HOD Physics, LS College, Muzaffarpur

Dr. L.K. Jha, Dept. of Physics, BRA Bihar University, Muzaffarpur

## Convenor:

Dr. Pankaj Kumar, Dept. of Physics, LS College, Muzaffarpur



# Organising Committee

## Members:

Dr. Rajendra Prasad, Lect. Dept, of Physics  
Dr, T.K. Dey, Lect. Dept. of Physics  
Dr, Gopaljee, lect, Dept. of Physics  
Dr, S.K.Mishra, Lect, Dept, of Physics  
Dr, Sangam Kr, Lect, Dept. of Physics  
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Dr. T.P. Singh, Reader, Dept, of Zoology  
Dr. O. P. Raman, Lect, dept, of Math  
Dr, G.K. Pandey, Lect, Dept. of Botany  
Dr. P.C.S. Verma, Reader, Dept. of Botany  
Dr. Shashi Kumari Singh, Reader, Dept. of Chemistry  
Dr. Anind Kumar, Lect, Dept, of Chemistry  
Dr. S. K. Sinha, Lect, Dept, of Chemistry  
Dr. Vijay Kumar, Lect., Dept, of Math  
Dr. Kaushal Kishore Chaudhoary, Librarian  
Dr. Santosh Kumar, P.G. Botany  
Dr. Kumar Ganesh , Math P.G.  
Dr. V.P.kumar, P.G. Maths  
Dr. Sanjay Kumar , p.G. physics  
Dr, S.N. Tiwari, Dean BRA Bu  
Dr. P.k. Verma, P.G. Physics  
Dr. Balram Rai, R.D.S. (HOD, Physics)  
Dr. Vaidehi Kishori , HOD MDDM



# Our distinguished Promoters

- **Dr. Seyed E. Hasnain:** Member, Scientific Advisory Council of Prime Minister & Vice Chancellor of Hyderabad University
- **Sri K.K. Srivastava:** Former Chief Secretary, Govt of Bihar
- **Sri Kamla Prasad:** Former Chief Secretary, Govt of Bihar
- **Sri Harivansh:** Chief Editor, Prabhat Khabar, Ranchi
- **Dr. Jagganath Thakur:** Former Vice Chancellor, Patna University, Patna
- **Sri Ashok Kumar:** Conservator of Forest, Rajasthan
- **Dr. Raj Mani Pd. Sinha:** Former Vice Chancellor, Mithila University, Darbhanga
- **Dr. S.P. Verma:** Former HOD, Physics, Patna Science College, Patna
- **Smt. Sweta Jha:** CMD, Info dynamics Integration Technologies, Pune
- **Dr. M.M. Choudhary:** HOD, Electrical Engineering, NIT, Patna
- **Sri Sanjay Bhole:** Regional Manager, RDG Micro Electronics, Mumbai
- **Dr. S.G.T Bhatt:** Former Vice President (Research), IPCL, Gujarat
- **Sri Amalendu Narayan Sinha,** ex-editor, Hindustan Times, Patna
- **Dr. S.N. Guha,** Principal, Patna Science College, Patna
- **Dr. S.P. Singh,** Principal, College of Commerce, Patna
- **Sri Swayam Prakash,** Asst. Editor, Dainik Bhaskar, Udaipur, Rajasthan

# Our Achievement



1. **BiharBrains Scholastic center** : Established in 2005 Visit : [www.bbsciindia.com](http://www.bbsciindia.com)  
Contributions and effort by : all members of BiharBrains  
[http://www.biharbrains.org/downloads/Development\\_of\\_BBSC.pdf](http://www.biharbrains.org/downloads/Development_of_BBSC.pdf)
2. **Manthan** : An International Magazine , started in 2006 Visit : [www.bbmanthan.info](http://www.bbmanthan.info) Contributions and effort by : Dr. Abul Farah, Bibhuti Bikramaditya and all Manthan Team members
3. **TekBrains Pvt Ltd** , A chip design & development company established in May 2007 Contributions and effort : Bibhuti Bikramaditya and his associates
- 4 **Bihar Science Conference** : organized at Patna in May 2008, 2009, 2010.
5. **Global Scientific Council Formed**: Prof R.P Sinha elected chairman of the council. There are total 25 members from India and abroad.
6. **Center for personality Development and Human Resources (CPDHR)**: We established this center in association with Digital footprints Pvt. Ltd, Patna and going to start courses on PG Diploma in Personality development from Jan 05, 2009
7. **Four students of college of commerce selected in Konkuk University, Korea**
8. **BB Needy Talent Search Scheme**: Around 50 needy students are benefited by Sugriv Yojna, RP Srivatastava Yojna and Malti Gauri Yojna . Some yojnas Debanshu Yojna and Kartik Yojna for Munger are going to be started very soon.
9. **Association of Magadh university and Konkuk university**: Because of our coordinated effort, Dept of Botany and Biotechnology, College of Commerce, Patna (under Magadh university) and Dept. of Animal Biotechnology, Konkuk university has going to sign MOU for their scientific interaction programs.



## Future Path...

1. Establishment of Pataliputra University of Science and Technology in Patna: Discussion in Progress
2. Starting new international Science Journal: named "New Science": [www.newscience.in](http://www.newscience.in)





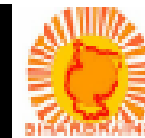
Glimpse of concluded BSC  
2008, 2009 & 2010

# 1st Bihar Science Conference (BSC 2008)



- A three days international conference was held from May 07 - 09, 2008, under the aegis of Bihar Brains Development society in which about 500 people participated from different parts of India and Abroad.
- The conference was inaugurated by Hon'ble C.M. of Bihar, Shri Nitish Kumar on May 7, 2008.
- The Chairman of B. Brains development Society, Mr. Bibhuti Bikramaditya introduced the theme of the conference and ideas behind it.
- The main theme of the conference was scientific innovation and entrepreneurship creations.
- For more information, please visit:  
<http://www.bbsciindia.com/ScienceConference/proceedings>.





# 2nd Bihar Science Conference (BSC 2009)

A three day international conference held at PG Center, College of Commerce (Magadh University), Patna from January 30<sup>th</sup>-1<sup>st</sup> Feb, 2009, under the aegis of Bbrains Development Society concluded successfully on a positive note.

About 700 people from across the country and abroad participated in the Conference.

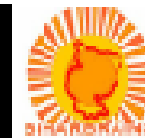
The theme of the conference was "Science and Society in perspective of Bihar".

The conference was inaugurated by Shri Harinarayan Singh, the Hon'ble HRD Minister Govt. of Bihar on Jan 30, 2009 at 12 noon.

To know more, please visit:

<http://www.bbsciindia.com/ScienceConference/proceedings.htm>





# 3rd Bihar Science Conference (BSC 2010)

- A three day international conference held at Gaya College, Gaya (Magadh University), from January 12-14<sup>th</sup> Feb, 2010, under the aegis of Bbrains Development Society concluded successfully on a positive note.
- About 800 people from across the country and abroad participated in the Conference.
- The theme of the conference was "Improvement of research quality towards sustainable development".
- The conference was inaugurated by Dr. APJ Kalam He former President of India in Presence of Sri Nitish Kumar, Hon'ble Chief Minister of Bihar on Feb 12, 1010 at 10 noon.
- To know more, please visit:  
<http://www.bbsciindia.com/ScienceConference/proceedings.html>



# 3rd Bihar Science Conference (BSC 2010)



# Inaugural Keynote Speakers



**BSC-2008**  
**Prof. S.E. Hasnain**  
Scientific Advisor, Prime  
Minister of India  
Vice Chandellor,  
Hyderabad University,  
Hyderabad



**BSC-2009**  
**Dr. U.N. Singh**  
Chief Technologist,  
System Engineering  
Directorate  
NASA Langley  
Research Center,  
NASA, USA



**BSC-2010**  
**Dr. APJ Abdul  
Kalam**  
HE Former President  
of India



# Distinguished Chief Guests



**Sri Nitish Kumar**  
Hon'ble Chief Minister  
Govt. of Bihar



**Sri Hari  
Narayan Singh**  
Hon'ble Former HRD  
Minister



**Dr. Anil Kumar**  
Hon'ble Former Science  
& Technology Minister  
& Information  
Technology Minister  
Govt. of Bihar



**Sri Prem Kumar**  
Hon'ble Road  
Construction Minister  
Govt. of Bihar



**Sri Awadhesh N. Singh**  
Hon'ble Former Labour  
Minister  
Govt. of Bihar



# Participating Universities

(Other than Bihar state universities)

- NASA Langley Research Center, NASA, USA
- Colorado state university, USA
- Ohio state university, USA
- university of oxford, UK
- university of Leeds, UK
- Ryerson university, Canada
- Chosun university, Korea
- Jawaharlal Nehru university, New Delhi
- IIT, Mumbai,
- IIT, Kanpur
- university of Hyderabad
- Aligarh Muslim university
- NIT, Patna
- Bilra Institute of Technology, Ranchi
- Indian Institute of Packaging, Hyderabad
- JNCASR, Bangalore and many more

11/29/2010

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# Past Sponsors



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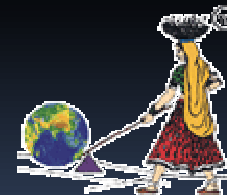


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kind attention !!!