

# FOURTH MADHYA PRADESH SCIENCE CONGRESS - 2007

Focal Theme : KNOWLEDGE BASED

SOCIETY USING ENVIRONMENTALLY  
SUSTAINABLE SCIENCE AND  
TECHNOLOGY

Globalization of trade, transport and communication sectors made the world amenable and accessible in terms of movement of materials, people, business houses, consumerism and knowledge transfer. India is recognized today as fast developing world power in view of the achievements in sectors of space technology, innovative and emerging technologies, various forms of complimentary medicine, information and communication technologies and business process outsourcing. But the question is the acquisition of all these attainments are at the cost of the environmental sustainability on account of ever increasing demand for development leading to environmental degradation, depletion of natural resources, widening rural-urban divide in quality life, lack of basic amenities of food, fibre, water and distress related migration to urban slums due to altering drought-flood cycles.

The Indian Science Congress Association will hold the 95<sup>th</sup> session of Indian Science Congress from January 3 to 7 , 2008 at Visakhapatnam under the auspices of the Andhra University on the above theme. The thrust areas are :

Knowledge Systems,  
Environmental Up –gradation,  
Biodiversity Mapping and Management,  
Sustainable Green Revolution,  
Biotechnology,  
Water Mission,  
Space and Information Technology for Disaster Management,  
Marine Resources,  
Nanoscience,  
Transport Systems,

Green Technologies,  
Biotherapies,  
Traditional and Complimentary Medicine,  
Linking Science & Technology with Social Sciences and Social Action,  
PURA Cluster Concept,  
Interface of Public, Private, Industry and Social Action Sectors,  
Training of Trainers, and  
Public – Private Action Group initiated and sponsored Awareness and Implementation activities.

The focal theme of the 95<sup>th</sup> Session of the ISCA and thrust areas will be the main theme and thrust areas for the Fourth Madhya Pradesh Science Congress to be organized **on December 26,27,2007**. The Madhya Pradesh Science Congress is organized in order to **encourage scientific research in M.P.** and to provide facilities of interaction among young scientists ,research scholars and senior scientists, not in position to attend Indian Science Congress. The fourth session of Madhya Pradesh Science Congress aims to address several thrust areas through discussions, lectures and presentations.

The fourth Madhya Pradesh Science Congress will have following three sections :

## **Section 1 :**

**Biosciences:** (Including Botany, Zoology, Biotechnology, Biodiversity, Microbiology and Conservation of biological resources, Medical sciences etc.)

## **Section 2 :**

**Physical Sciences:** (Including Material sciences, Physical sciences, Chemical sciences, Electronics, Computer sciences, Engineering sciences, Earth system sciences, Information technology, Maths etc.)

## **Section 3 :**

**Science & Society:** ( Including Behavioral sciences, Social sciences, Psychology, Home science, Nutrition and Educational sciences etc.)

Different sections of the Indian Science Congress will be regrouped under these three sections. In each section, invited lectures by resource persons will be held followed by paper/poster presentations.

An Exhibition on “Knowledge Based Society Using Environmentally Sustainable Science & Technology will be organized for popularization of the Theme.

In each section one award of Rs.5000/- in cash will be given to a young scientist for best paper presentation and Rs.2000/- for best poster presentation. The competition for these awards will be held in one session of each section exclusively devoted to this activity.

## **CALL FOR PAPERS**

Research papers are invited from for different sections of the MPSC- 2007. Each paper should be accompanied by two copies of the Abstract (within 200 words, without any sketches, tables etc.) on or before **30<sup>th</sup> of November 2007**. Submission of abstract and full length research paper in CD & through e-mail is essential for acceptance. The selection of papers will be made by the sectional committees and accepted papers will be taken up for presentation during the sessions. The authors of selected papers will be duly informed. Abstracts for papers should be neatly typed on A4 Size (MS Word) paper as per model format given below. The time limit for paper presentation will be 10 minutes including discussion.

NAME OF THE SECTION

TITLE OF THE PAPER (Font size 14 with bold)

AUTHOR,S NAME(S) & AFFILIATION (Font size 12)

KEY WORDS- maximum of five (Font size 10 with bold)

ABSTRACT upto 200 words (Font size 12)

The abstracts will be printed for advance circulation at MPSC-2007. The full paper should be on standard format. The abstracts and full papers meant for the sessions related to the focal theme of MPSC-2007 must be sent to the Organising Secretary with one copy to the Convener, ISCA Bhopal Chapter at address given below. Only abstracts received with bank draft will be considered for presentation and printing in advance abstracts.

The selection committee may select or permit some papers for **POSTER SESSIONS** where each participant will have one sq. meter space allotted. If delegates are interested in presenting their work as POSTERS, they are welcome to do so with advance information .

#### **YOUNG SCIENTIST AWARD**

One award of Rs.5000/- will be given to Young Scientist with age upto 32 years on 31.12.2007 in each section on the best presentation to be announced and given in valedictory function. The Young Scientist will be allowed to present only one paper in any one section .The time limit for each presentation will be 10 minutes, including 3 minutes for discussion. In case of a paper by more than one author only one author, will be allowed to present the paper and contest for the award. *The Young Scientist should indicate on the top of the abstract that he/she is submitting the paper for Young Scientist*

*Competition. The copy of birth certificate, duly attested by the Head of the Department and certificate from the supervisor and head of the Institution on the work done by the nominee must accompany the full paper and abstract. The papers and abstracts for poster presentation for competition received for Young Scientist competition will be reviewed by the concerned sectional committee and selected candidates will be informed preferably by e-mail. The travel expenses by II class sleeper / bus and accommodation charges of selected candidates will be met by the MPSC- 2007. If the number of selected papers or posters in any section is below 5, the competition in that section will not be held and candidates will be free to present their papers in general sessions.*

**The last date of receiving abstracts and papers for the Young Scientist Competition is 15<sup>th</sup> November 2007.**

#### **REGISTRATION**

Registration fee per delegate and accompanying person is Rs.500 to be paid in advance by a demand draft drawn in favour of ‘ Fourth Madhya Pradesh Science Congress’ payable at Indore.. The registration fee for the life members of ISCA and all young scientists upto the age of 30 years on 31.12.2007 will be Rs.300/- on production of a copy of life membership card or evidence of age. This should be sent with papers / abstracts with a

covering letter addressed to the Organizing Secretary. Spot registrations will be accepted from local delegates and others in cash at the registration counter .

#### **Address for general correspondence**

<b>DR. S.K. KULSHRESTHA</b> Convener ISCA Bhopal Chapter 27/3, Geetanjali Complex Bhopal - 462 003 Phone: 0755-2772932 Mobile: 09425377847 <i>e-mail:</i> iscabpl@yahoo.co.in drskkulshrestha@yahoo.co.in	<b>DR. M.M. PRAKASH &amp; DR. K. N. CHATURVEDI</b> Organising Secretary, M.P.Science Congress, Holkar Science College, Indore- 451 001 e-mail: <a href="mailto:principal@collegeholkar.org">principal@collegeholkar.org</a> . <a href="mailto:mmpshrivastava@yahoo.co.in">mmpshrivastava@yahoo.co.in</a> <a href="mailto:knphysicspeople@yahoo.com">knphysicspeople@yahoo.com</a>
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#### **TENTATIVE PROGRAMME**

Date 26.12.2007

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Registration	09.00 am to 10.15 am
Inaugural Session	10.15 am to 12.00
Tea Break	12.00 to 12.30
Plenary Lecture/ Key note lecture on focal theme	12.30 hrs to 1.30 pm
Lunch Break	1.30 pm to 2.00 pm
Sectional Meetings- Technical Session I	2.00 pm to 3.30 pm
Tea break	3.30 pm to 3.45 pm
Technical Session 2 in all sections	3.45 pm to 5 pm

Date 27.12.2007

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Technical session 3 : 09.00 am to 11.00 am.  
Presentation by  
Young Scientists for  
different sections.

Tea break	11.00 am to 11.15 am.
Technical Session 3 in different sections.	11.15 am to 1.30 noon
Lunch break	01.30 pm to 02.30 pm
Reviews of Sectional proceedings, open house and Recommendations	02.30 pm to 03.45 pm
Tea break	03.45 pm to 04.00 pm
Valedictory Session	04.00 pm to 05.00 pm

Note: In each technical session there will be an invited lecture of 30 minute duration followed by paper presentations.

### **CHRONOLOGY OF MADHYA PRADESH SCIENCE CONGRESS**

The first MPSC 2004 was held at Government Girls College, Shivaji Nagar, Bhopal on 26<sup>th</sup> and 27<sup>th</sup> of December 2004 on focal theme Natural Resources.

The second MPSC-2005 was held at Career College, Bhopal on 17<sup>th</sup> and 18<sup>th</sup> of December 2005 on focal theme the Role of Science & Technology in India - Present & Future.

The Third MPSC-2006 was held held at Rajeev Gandhi College, Bhopal on 9<sup>th</sup> & 10<sup>th</sup> December 2006 on focal theme Planet Earth.

### **INDIAN SCIENCE CONGRESS ASSOCIATION AND ITS BHOPAL CHAPTER**

The Indian Science Congress Association (ISCA) is the premier scientific organization of the country. It is one of the largest body of professionals

with about 15,000 members. The first Indian Science Congress was held at Calcutta University in 1914 and the 95<sup>th</sup> is scheduled for January 2007 at Andhra University at Vishakhapatnam. One of the objectives of ISCA is to promote scientific temper in the country. The ISCA started regional chapters in 1986-1987 at various places in the country.

The Bhopal Chapter was launched in 2003. It is one of the 18 regional chapters and the only chapter in Madhya Pradesh. This chapter has organized three Madhya Pradesh Science Congress already and the fourth one is scheduled for December 26 & 27 Dec. 2007.

### **HOLKAR SCIENCE COLLEGE**

The College was established on 10<sup>th</sup> of June, 1891 by the erstwhile Indore (Holkar) dynasty Maharaja SHIVAJI RAO HOLKAR in the memory of his father Maharaja TUKOJI RAO HOLKAR. Initially it was affiliated to the University of Calcutta till 1904 and then to the University of Allahabad, Agra University and Vikram University, Ujjain (M.P.). Presently, the college is affiliated to Devi Ahilya University, Indore (M.P.). The State Govt. declared it as a Model college in 1985-86. It was given a status of an Autonomous college in 1988. In 1994-95 it was declared as a center of excellence by the M.P. Govt.. The college has a long and rich tradition of research and known as a prime center of education & research.

### **INDORE : THE HOST CITY**

Named after God INDRESHWAR, Indore is remembered as the city of Ahiliya Bai Holkar, The great saintly ruler of the Holkar dynasty.

Indore is the Industrial capital of Madhya Pradesh. Now it is developed as the biggest center for academic excellence in the Central India. It is well connected by air, rail and road (Agra-Bombay and Indore-Ahemedabad National Highway). The climate of the city in December is pleasant with temperature varying 10-20<sup>o</sup>C, thus warm clothes and blanket are required.

Raja Ramanna Centre for Advanced Technology (a branch of BARC), Inter University Consortiun, National Research Centre for Soyabean (NRCS), various schools of Devi Ahiliya University, SGSITS, MGM Medical College, IIM are some of the premier institutions of higher learning and research are situated at Indore. Besides these one Agriculture college, four Dental colleges, one private Medical college and many of Engineering, Pharmacy and Management colleges are situated in Indore.

Some places worth visiting in Indore are Rajabada, Lalbagh Palace, Jain Kanch Mandir. Some historical places (Mahakal Temple, Ujjain; Omkareshwar Temple, Maheshwar) and historical place (Mandav, Dhar) are not far from the city.

### **ACCOMODATION & TRANSPORT**

Accommodation and transport will be provided to Young Scientists and Resource Persons free. Other delegates are requested to make their own arrangements. Young Scientists and male research scholars will be accommodated in hostels, on specific request but other delegates will be accommodated in guest houses/hotels on prior notice and due payment. The Organizing Secretary must be contacted in this connection well in advance.

## REGISTRATION FORM

(To be sent duly filled in and signed along with the abstract)

1. Name-----
2. Designation-----
3. Institution-----
4. Mailing Address-----
- 
5. Telephone-----Mobile-----
6. e mail id-----
7. Title of Paper to be presented (Indicate Oral/Poster)-----
8. Section Name -----  
(Refer for section given in brochure)
9. Name of Presenter -----
10. Payment Details : Amount /DD.No. Date and Bank -----

I agree to abide by the rules set out in the brochure/ invitation, if the abstract is accepted.

Date : (Signature of Author)

Note :

- (1) Demand draft of Rs.500/- ( or Rs.300/ for life members of the ISCA and young scientists ) for each applicant should be drawn in favor of Fourth Madhya Pradesh Science congress, payable at Indore.
- (2) Photocopy of the Registration form may be used as additional Registration form.

Madhya Pradesh Science Congress  
2007

### *Focal Theme*

### **KNOWLEDGE BASED SOCIETY USING ENVIRONMENTALLY SUSTAINABLE SCIENCE & TECHNOLOGY**

To,

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### **HOST**

*College Mono*

### **GOVT. HOLKAR SCIENCE COLLEGE INDORE**

### **Organised by**



### **Indian Science Congress Association Bhopal Chapter**

### **Organising Committee Advisory Committee**

#### **Patron**

Shri Bhagirath Prasad

#### **Principal & Chairman**

Dr. N.K. Dhakad  
98260-44555 (M)

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Shri Mahendra Hardia

Dr. N.K. Dad

Dr. Santosh Kumar

Dr. V.K. Parashar

Dr. Manju Tembhre

Dr. D.D. Bhavalkar

Dr. Cat

Dr. P.D. Gupta

Dr. R. Gadre

Dr. A. Dutta

Principal Old GDC, Indore

Principal New GDC, Indore

Principal A & C College, Indore

Principal Sanskrit College

#### **Members Organising Comm**

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Dr. Ajay

Dr. R.K. Pandey

Dr. N.S. Chatre

Dr. V.S. Singh

Dr. Manjusha Ganguly

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