

## Brief Report of

International Year of Crystallography  
International Symposium on  
**CRYSTALLOGRAPHY**  
29 & 30 March, 2015

Organized By  
**Environment & Social Welfare Society, Khajuraho**

Sponsored By : Madhya Pradesh Council of Science & Technology, Bhopal  
Assisted By : Godavari Academy of Science & Technology, Chhatarpur

**A PRELUDE:** UNESCO is particularly concerned that advances in knowledge and its applications in life sciences should be of benefit to all. Developing countries should have a critical mass of well-trained scientists who can advise governments about priorities for national research and about use of the technologies that arise from life sciences research. Cell and molecular biology, neurosciences, microbiology and biotechnology are the current foci for UNESCO's capacity building activities in life sciences.

### Main objectives

- Increasing public awareness of the science of crystallography and how it underpins most technological developments in our modern society
- Inspiring young people through public exhibitions, conferences and hands-on demonstrations in schools
- Illustrating the universality of science
- Promoting education and research in crystallography and its links to other sciences
- Involving the large synchrotron and neutron radiation facilities worldwide in the celebrations of IYCr2014, including the SESAME project set up under UNESCO auspices

**Target Group:** All students of Life science, Agriculture, Art and Commerce faculty of school and college including SC, ST, OBC and GEN category. Approximately 1000+ students will be beneficial by this programmed.

### Event

- \* Essay writing Competition (Spot and Online Submission)
- \* Science Lectures
- \* Interaction with leading Scientist



After candle lighting in front of Goddess Saraswati, Prayer done by Miss Rasi Yadav. Garlanding

welcome has been done.

**INVITEE GUEST LECTURE:** After the inauguration, the invitee guest lecture sessions were held.

**The general topics covered in the Symposium will be as under:**

- Crystallography category
- X-ray and neutron crystallography
- Lattices,
- Diffraction,
- Fourier analysis,
- Packing of atoms,
- Structure of macromolecules.
- Macromolecular crystallography
- Charge density
- Absolute structure and absolute configuration
- Twinning in crystallography
- Advanced solutions from the Structural Database

**Dr. Ashwani Kumar Dubey** delivered his Presidential Address emphasized Promoting education and research in crystallography.

**Chief Guest: Dr. Krishna Rawat** President Loins Club International, DU Chhatarpur

**Invited Guest:**

**Dr. M. C. Awasthi**, Professor of Physics, Govt. Maharaja College, Chhatarpur, MP focused on Lesser application.

**Dr. Praveen Jha**, Professor of Zoology, Govt. College, Mathura, Uttar Pradesh.

**Dr. P. K. Jain**, Professor of Geology, Govt. Maharaja College, Chhatarpur, MP discussed on Twinning in crystals.

**Dr. P. K. Pateriya**, Professor of Chemistry, Govt. Maharaja College, Chhatarpur, MP discussed on Crystallography category.

**Dr. O. P. Sahu**, Guest Lecturer of Geology, Govt. Maharaja College Chhatarpur MP discussed on Awareness of crystals.

**President Dr. Sanjeev Nagariya**, Director Shealing Group of Education.

**ESW Society Member** Dr. Archana Chauhan, Mrs. Neelam Rawat, Mr. Rajendra Namdev, Mrs. Kiran Brijpuriya, Mrs. Sarita Jain, Dr. Vaheedunnisha, Mrs. Vandana Dubey, 200+ Students, Researchers, Teachers and Professor were present.



**ESW Society Fellowship Award**

**ESSAY WRITING COMPETITION:**

Spot and Online Submission More than 65 student participated in spot essay writing competition. In spot essay writing competition, First Mr. Kamlesh Soni, Second Sanjeev Kumar and Third Mr. Kamlesh Awasthi. In online submission First Miss. Gunjan Masih, Second Mr. Vivek Kumar Ahirwar and third Miss Shivani Mishra.



#### **INTERACTION WITH LEADING SCIENTIST:**

Group discussion has been done between students and Scientist. Curious question asked by students related with Crystallography viz. What is Crystal? How crystal work? What are the uses of crystal? What are the properties of crystal? How crystal work? What are the uses of crystal in biological system? Satisfactory answers have given by the subject expert.

#### **News Gallery: Following News Paper and Electronic Channel Covered**

**National :** Danik Bhaskar, Satna; Danik Bhaskar, Sagar; Raj Express, Bhopal; Nav Bharat, Bhopal; Nai Duniya, Gwalior; Star Samachar, Satna; Jan Jan Jagran; Swatantra Samay, Bhopal; Madhya Pradesh Jan Sandesh; Danik Jagran, Alma Timen, Indore. Chhatarpur Times, Shubh Bharat, New Rastra Bhraman, Janhit Darshan, Dukhiyoo ka Saathi, Bundeli Munch, Fauladi Kalam, Prakhar Gyan, Weekly Mahacoverage, Raj kee Duniya, Ojus Kranti, Vindhya Shakti, Krishn Kranti, Hum Panch, Parihar Garjana, The Best News, Bhor Express, Jan Samvad Times, Chhatarpur. **Electronic Channel:** V News and Peptech

**International Symposium on “Crystallography” on 29 & 30 March, 2015 held in Godavari Academy of Science and Technology, Chhatarpur Madhya Pradesh, India and in Hotel La Capitol, NH 75, Chhatarpur Madhya Pradesh, India.**

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