

**Report on Two–Day National Workshop on Advances in Interdisciplinary Sciences, January organised by Department of Electronics, University of Jammu in collaboration with IEEE EDS Delhi Chapter and IETE Jammu centre on January 11-12, 2018**

A Two–Day National Workshop on Advances in Interdisciplinary Sciences was inaugurated by Prof. R. D. Sharma, Hon'ble Vice Chancellor, University of Jammu on January 11, 2018 in the Department of Electronics, which was organized in collaboration with IEEE EDS Delhi Chapter and IETE Jammu centre. In this event three distinguished speakers namely Prof. Vijay K. Arora from Wilkes University, USA & IEEE-EDS Distinguished Lecturer, Prof. Mainuddin from Jamia Millia Islamia, New Delhi and Prof. Najeeb-ud-din from NIT- Hazaratbal, Srinagar delivered the plenary talks. Prof. R. D. Sharma in his opening remarks appreciated the theme of the event and lauded the initiative made by the Department of Electronics for successful conduct of this workshop. He further elaborated that this conference would review the progress made in Interdisciplinary Sciences and its various applications. This workshop will provide a platform to researchers from the state and outside to discuss various outcomes of their research and exchange of ideas. Earlier, Professor Rakesh Vaid, Head, Department of Electronics and convener of this workshop welcomed all the invited guests and participants and threw light on the theme of the workshop. The first session after the inauguration was chaired by Prof. Najeeb-ud-din from NIT Srinagar. In this session two plenary talks were delivered first by Prof. Vijay Kumar Arora from Wilkes University, USA entitled “Ohm to Arora: A New Paradigm for Nanoscale Circuits and Devices” and by Prof. Mainuddin from Jamia Millia Islamia, New Delhi on the topic “Lasers and Its Applications” In the next session after lunch, Prof. Mainuddin acted as Chairperson whereas the talks were delivered by Prof. Najeeb-ud-din entitled “Hitech Havoc” and by Prof. P. V. S. K. Baba, HOD of Physics, University of Jammu on the topic “Introduction to HEP & Experimental Techniques”



**Inaugural Function: Lightening of Lamp by Prof. R. D. Sharma, Hon'ble Vice chancellor, University of Jammu along with Prof. Vijay Kumar Arora, Wilkes University, USA and Prof. Rakesh Vaid, Convener of the workshop & Head of the Electronics Department, University of Jammu.**



**Address by Chief Guest address: Prof. R. D. Sharma, Hon'ble Vice chancellor, University of Jammu Jammu**

In the morning session on January 12, 2018, Prof. Manoj Dhar from the Department of Biotechnology, University of Jammu delivered a highly informative lecture entitled "Bioinformatics: An interdisciplinary approach to solve biological problems". His talk was well received and greatly appreciated by the participants followed by a talk by Prof. Shah Jahan Wani from S. P. College, Srinagar, who spoke about Interdisciplinary Applications of Cellular Automata.



**Prof. Manoj Dhar from the Department of Biotechnology, University of Jammu during a question answer session  
Prof. Vijay K. Arora from Wilkes University, USA**

In the 2nd session, Prof. Vijay K. Arora from Wilkes University, USA & IEEE-EDS Distinguished Lecturer gave a very eminent talk on the topic " Publish and Flourish: Art, Craft, and Sportsmanship for Publishing in High-Impact Journals" which was highly appreciated by the participants. Next lecture was delivered by Prof. K. K. Bamzai, from the Department of Physics, University of Jammu on "Multiferroic - a new multi-component material" which was well received by the audience.



**Prof. K. K. Bamzai, from the Department of Physics, University of Jammu while delivering his talk during the workshop.**

In this workshop more than hundred papers were presented as oral and posters by the faculty/scientists/research scholars of the various institutions in and around J&K and outside in different disciplines. Prof. Haq Nawaz, Prof. Namarta Sharma and Dr. Shah Jahan Wani acted as jury members in the Chemical Sciences, Life Sciences & Electronics sections respectively whereas Prof. K. K. Bamzai, Prof. Vinod Sharma, Dr. Romesh Kumar and Dr. Ravender Tickoo acted as jury members in the Physical Sciences, Mathematical Sciences & Computer Science sections. The event was attended by more than 100 registered participants which include faculty members & research scholars from the various departments of the university and nearby colleges and the students from within the Dept. of Electronics and Physics. The workshop concluded with the distribution of certificates to all the participants and memento's to all the invited speakers and jury members. The workshop was attended by Dr. Susheel Sharma, Co-convener, Dr. Rockey Gupta, organizing secretary, Prof. P V K S Baba, Prof. Aurn Bharti, Er. Anik Gupta, Dr. Ramni Gupta, Dr. Rani Devi, Dr. Rakesh Prasher, Dr. Devi Dass, research scholars and students of the department along with participants from the various departments of the university and nearby colleges.