



## UPCOMING EVENTS

**Earthquake Hazard: Basic Approaches, Field Investigations and Modeling from 10<sup>th</sup>-16<sup>th</sup> Nov. 2015**

**International Conference on "Challenges in Inclusiveness of the Fourth World" from 17<sup>th</sup> -18<sup>th</sup> Dec, 2015**

## PATRON

**Prof. Sudhir K. Jain**  
Vice Chancellor

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## Campus Jottings

**National Conference on Recent Trends in Mathematical Sciences**

The inaugural session of two days National Conference on Recent Trends in Mathematical Sciences organized by School of Mathematics was held in Matrika Auditorium on 8<sup>th</sup> October 2015. The conference was sponsored by National Board for Higher Mathematics, Department of Atomic Energy, India. Vice Chancellor Prof. Sudhir K. Jain was the Chief Guest of the inaugural ceremony. Dr A. K. Das, Director, School of Mathematics, SMVDU delivered the welcome address & spoke about the theme of the conference. Keynote address was delivered by Professor A.H. Siddiqi, Ex-pro Vice Chancellor of Aligarh Muslim University & Prof. Emeritus, Sharda University. Prof.Siddiqi highlighted the application of mathematics to certain emerging areas of science and technology. Other dignitaries present during the inaugural session were Prof. V. K. Bhat, Dean, Faculty of Science, SMVDU; Prof. R. K. Mohanty, Dean of Faculty of Mathematics and Computer Science, South Asian University, New Delhi; Prof. S. Dharmaraja, Head, Department of Mathematics, IIT, Delhi and Prof. C. K. Jaggi, Head, Department of Operational Research, University of Delhi. At the end of the session, Dr. Rakesh Kumar Organizing Secretary delivered the vote of thanks.

**SMVD University signs MoU with NIT Srinagar**

An MoU has been signed between SMVD University and NIT Srinagar on 12<sup>th</sup> October, 2015 in order to promote academic and research co-operation and development of these two Institutions as Center of excellence of higher and technical education and scientific research.

### **SMVD University received financial support of Rs 2.80 Lakh to set up A-View classroom of the T10kT workshops.**

SMVDU is a remote center of IIT Bombay and IIT Kharagpur from 2012 onwards. As a remote center Shri Mata Vaishno Devi University conducted a series of workshops in the emerging areas of science & technology in collaboration with IIT Bombay and IIT Kharagpur. A fund support of Rs 2.80 Lakh has been released by IIT Bombay for Additional infrastructure set up in the A-View classroom for the smooth conduct of the T10kT workshops. The received amount shall be utilized for the infrastructure development of the A-View classroom.

## **Faculty Update**

Prof. Sudhir K. Jain, Vice Chancellor was invited at NIT, Srinagar to deliver a lecture on 10<sup>th</sup> October, 2015. In his address, he highlighted the importance of innovations, inventions and patents for the engineering students and faculty members.

Prof. Jain was also invited by Islamic University of Science & Technology, Awantipora to address its faculty and students on 13<sup>th</sup> October, 2015. He spoke on the importance of Intellectual Property Right in WTO era specially for the students and faculty members of a technology university like IUST.

Prof. V.Verma, Dean Faculty of Engineering & Director School of Biotechnology, SMVDU, Katra was invited to chair the first technical session on Basics of Breast Cancer of the 1st Crab-E-Con 2015 conference organized by Radiations of Hope in association with North Zone Association of Radiation Oncologists of India, Maharishi Dayanand Hospital and Medical Research Center and SMVDU, Katra at Hotel Fortune Inn Riveria on 24<sup>th</sup> Oct, 2015. The conference was inaugurated by Shri Lal Singh, Hon'ble Minister of Health and Medical Education J&K state and attended by over 200 scientists, doctors and research scholars.

Ar. Anoop Sharma, *Astt. Prof. in SALD*, was presented paper on the Topic "Revitalizing the urban development scenario of Contemporary Town" with the emphasis on the Katra town of Jammu & Kashmir, *the Urban Planning and Architecture Design for Sustainable Development International Conference* on 14<sup>th</sup> – 16<sup>th</sup> Oct, 2015 at University of Salento, Lecce, Italy. In his paper, he highlighted with case studies, the major problems being faced by Tourism (pilgrimage) oriented towns like Katra in terms of its urban infrastructure, legible urban open spaces & the quality of life. He supplemented his idea with the help of successful urban models of 19<sup>th</sup> & 20<sup>th</sup> century.

Dr. Sharada M. Potukuchi, Associate Prof., SBT, SMVDU, gave an Invited Talk titled: "Scenario of Medicinal Plant Conservation & Commercialization in India" at Two Day Workshop on Conservation, Development and Commercialization of Medicinal Plants, held during the Proceedings of the organized by J&K State Medicinal Plants Board, J&K at SKICC, Srinagar; 12<sup>th</sup> -13<sup>th</sup> Oct. 2015. She also participated in the Panel Discussion for preparation of a Concept Note on the Focal theme of the Workshop to be submitted to National Medicinal Plants Board, New Delhi.

Dr. Sharada M. Potukuchi, Associate Prof., SBT, SMVDU was delivered an Invited Lecture entitled "Intellectual Property Rights – Awareness" during the Two Days Workshop on IPR Awareness supported by J&K State DST at Govt. Degree College, Akhnoor, J&K on 28<sup>th</sup> Oct. 2015.

Dr. Rakesh Kumar, Assistant Professor, SoM delivered a talk on "Markovians Queuing Systems with Reverse Balking" in the National Conference on Recent Trends in Mathematical Sciences at Shri Mata Vaishno Devi University, Katra during October 8<sup>th</sup> - 9<sup>th</sup>, 2015.

### **Faculty Publications & Conference Paper Presentations**

Brij Bir S. Jaswal, Vinay Kumar, H.C. Swart, Jitendra Sharma, Pradeep K. Rai, and Vivek K. Singh, "Multi-Spectroscopic Analysis of Cholesterol Gallstone Using TOF-SIMS, FTIR and UV-Vis Spectroscopy," *Applied Physics B: Laser and Optics*, 121:49-56, 2015, *Publisher: Springer, Impact Factor: 1.856*.

Dr. Ashok Kumar Tarai, Assistant Professor, SoP attended the Orientation Course on New Mental Turn in Philosophy organized by Council at Indian Council of philosophical Research Academic Centre, Lucknow from 6<sup>th</sup> - 10<sup>th</sup> Oct, 2015.

Dr. Naveen Kumar Gondhi, Assistant Professor, SCSE presented a paper titled "Energy efficient M/M/n Queuing System in Cloud Computing" – National Conference on Recent Trends in Mathematical Sciences at School of Mathematics, SMVDU, 8<sup>th</sup>-9<sup>th</sup> October, 2015.

Dr. Surender Singh, Assistant Professor, SoM, presented a research paper entitled, "On a New Intuitionistic Fuzzy Divergence Measure" at National Conference on Recent Trends in Mathematical Sciences organized by School of Mathematics, SMVDU, Katra during 8<sup>th</sup>-9<sup>th</sup> October, 2015.

Ar. Abhimanyu Sharma, Assistant Professor. SALD, Ar. Snehal Sharma, Assistant Professor. SALD & Ar. Anoop Sharma, Assistant Professor. SALD "Heritage Architecture of Jammu – A Case Study" presented in 3<sup>rd</sup> Online International Conference on Recent Trends in Engineering and Technology (ICRTET) & Published in International Journal of New Technologies in Science and Engineering, IJNTSE Vol. 2, Issue 4, Oct 2015. (pp-33-40) having Impact Factor—6.02.

Dr. V.K. Singh has been selected as a Guest editor for a special issue on "Laser and Its Applications for Material Science and Nanotechnology" to be published in International Journal "Materials Focus" (An International Journal American Scientific Publisher).

Mir Irfan Ul Haq, Assistant Professor, SME presented a paper titled "Environmentally Conscious Technologies in Automobiles - A State-of-the-Art Survey" at 11<sup>th</sup> JK science Congress held at University of Kashmir from 12<sup>th</sup>-14<sup>th</sup> Oct, 2015.

Palvi Gupta, A.K. Bedyal, Vinay Kumar, Vivek K. Singh, Y. Khajuria, O.M. Ntwaeaborwa, H.C. Swart, "Thermoluminescence and glow curves analysis of  $\gamma$ -exposed  $\text{Eu}^{3+}$  doped  $\text{K}_3\text{Y}(\text{PO}_4)_2$  nanophosphors," *Materials Research Bulletin* 73:111-118, 2016, *Publisher: Elsevier, Impact Factor: 2.288*.

One book chapter entitled "Biomedical Applications of Laser Induced Breakdown Spectroscopy," by *Dr. Vivek Kr. Singh*, Assistant Professor, School of Physics, has been accepted for the publication in book entitled "Horizons in World Physics, Vol. 287, ISBN: 978-1-63484-193-1" published by Nova Science Publishers, Inc., New York. The announcement and contents can be accessed at [https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=56604](https://www.novapublishers.com/catalog/product_info.php?products_id=56604).

## Students Update

Three scholars from SMVDU brought laurels to the University by bagging Gold, silver and third prize in poster presentation in 1<sup>st</sup> Crab-e-Con on Breast Cancer update held recently at Hotel Fortune, Inn Rivera, Jammu. First Crab-e-Con, a conference on breast cancer was recently held in Jammu which was jointly organized by North Zone Association of Radiation Oncologists of India, Shri Mata Vaishno Devi University, Radiations of Hope (a cancer care initiative by Dr. Deepak Abrol) and Maharishi Dayanand Hospital & Medical Research Centre. In total thirteen posters were presented relating to the advances in the Breast Cancer research. The JBM golden shield was bagged by Mr. Ghulam Rasool Bhat Research Scholar, from School of Biotechnology SMVDU who presented his poster showing the Genetic link between Lung and Breast Cancer. The title of his poster was "Genetics of Signaling that mediate the metastasis from breast to lung (CXCR4) signaling" was mentored by Dr Rakesh Kumar, Assistant Professor, SBT, SMVDU, Katra and Dr Deepak Abrol from GMC Jammu. Ms. Vidushi Abrol Research Scholar who was mentored by Dr. Sharda Pottukuchi from SMVDU and Dr Sundeep Jaglan from IIM, Jammu won JBM Silver shield for her poster on "Breast Cancer Treatments : Hormonal therapy and Alternative Medicines".

Third prize was won by Mrs. Ruchi Shah, Research Scholar, working under the mentorship of Dr. Swarkar Sharma. She presented her poster on relationship between Mechanistic similarities between Gastric and Breast cancer and title of her presentation was “BRCA2 gene mutations: Common link in Breast and stomach cancer”.

Mr. Ram Krishan, DST INSPIRE Fellow and Research Scholar, School of Mathematics, SMVD University, Katra has presented a paper titled "Concrete operators from fractional Cauchy transforms to logarithmic weighted - type spaces" in the National Conference on Recent Trends in Mathematical Sciences on 8<sup>th</sup> - 9<sup>th</sup> October 2015 organized by School of Mathematics, Shri Mata Vaishno Devi University, Katra and sponsored by NBHM.

Mr. Ram Krishan, DST INSPIRE Fellow and Research Scholar, School of Mathematics, SMVD University, Katra has presented a paper titled "Products of weighted composition operators from fractional Cauchy transforms to logarithmic little weighted - type spaces" in the National Conference on Recent Development in Mathematical Modeling and Fuzziology on 28<sup>th</sup> - 29<sup>th</sup> Oct, 2015, organised by Department of Applied Sciences at Chandigarh University, Chandigarh and sponsored by Department of Science & Technology (DST), Ministry of Science & Technology, Govt. of India, New Delhi.

Tishu Devi, Sofia Sharief Khan and Verruchi Gupta research scholars, School of Biotechnology working under the supervision of Dr. Shafaq Rasool and Professor V. Verma attended and presented papers in three day national conference “11<sup>th</sup> JK Science congress 2015” held at University of Kashmir, Srinagar from October 12<sup>th</sup> to 14<sup>th</sup>, 2015.

An industrial visit to give industrial exposure to students of Mechanical Engineering, was arranged by SME with help of T&P officer. Students of 3<sup>rd</sup> semester, B.Tech Mechanical Engineering visited Kashmir Rolling Mills and Nabada casting units in Bari Brahmana on 24<sup>th</sup> Oct 2015. Students witnessed the fabrication of casting billets and further conversion of steel billets into thermo-mechanically treated steel rod (TMT rod) which are used for civil construction work.

#### **“THE UNKNOWN PLACE” - A University Of Westminster International Design Competition.**

“THE UNKNOWN PLACE” which is situated at the backyard of the SALD was excavated and redesigned by the student of School Of Architecture And Landscape Design in order to fulfil the Design brief of the University Of Westminster International Design Competition. It was an initiative taken by the students to plan a proposal and practically construct their own design. The Design was based on transforming a disused public space to an informative and recreational space. So the site was cleaned and excavated the design was then done under leadership of Mr. Anand Upadhayay (final year student) and Ms. Rashi Jain (Third year student) under the guidance of Ar. Vinod Kumar, Asst. Prof. SALD. The site now serves as a special place for various interactive as well as recreational activities. It was built on the basic concepts of the expansion of the modal of cosmos and the vertical Axis mundi. It is basically no cost project, all the material which is used is harnessed from site and it also sets a very good example as far as sustainable design is concerned. The Project was inaugurated by the honourable Vice Chancellor in the presence of Ar. Aditya Kumar Singh Director SALD, Dr. Varun K. Tripathi, Ar. Anil Valli, various other faculties and students on 8<sup>th</sup> of Oct 2015.

#### **Educational Trip to Chandigarh**

The students of School of Architecture and Landscape Design visited the Chandigarh city as an educational trip. This trip was also organised for the student to attend the 3 day International Symposium for celebrating Le Corbusier’s Chandigarh. As Le Corbusier, the world renowned urban planner and architect, prepared the master plan for the city of Chandigarh in India and contributed specific designs for important buildings. This year-as a tribute to the legendry architect on his 50<sup>th</sup> death anniversary, the Department of Tourism, in partnership with Dainik Bhaskar, in collaboration with Chandigarh College of Architecture (CCA) and Department of Urban Planning is celebrating his legacy with a series of lectures, seminars and other events from July to October and an International Symposium which was 3 day event from 9<sup>th</sup> Oct. to 11<sup>th</sup> Oct. 2015. The aim of the celebrations is to showcase the heritage of Chandigarh and the contribution of Le Corbusier to the development of a modern way of living in India. The Places Visited by students included Chandigarh city tour : Rock Garden, Sukhna Lake, Chandigarh College of Architecture, Sector-17 of Chandigarh and Capitol Complex.