



**LAL BAHADUR SHASTRI GOVT. COLLEGE, SARASWATI NAGAR,  
JUBBAL, SHIMLA – 171206, H.P. (INDIA)**

A NAAC ACCREDITED 'B' COLLEGE

**Dated: 23.11.23**

## **REPORT ON NATIONAL SEMINAR, “NANOSCALE MAGIC: UNVEILING CHEMISTRY'S WONDERS AND INNOVATIONS”**

A National Seminar (Hybrid Mode) themed **“NANOSCALE MAGIC: UNVEILING CHEMISTRY'S WONDERS AND INNOVATIONS”** was conducted by the Department of Chemistry, Lal Bahadur Shastri Government Degree College, Saraswati Nagar, Shimla-171206 on **22<sup>nd</sup> Nov'23 (Wednesday) 11:00 am** onwards. **Dr. Shallu**, Assistant Professor, Chemistry was the **Coordinator** as well as one of the **Resource Persons** of the event. **Dr. Moitree Laskar**, Lecturer, **Indian Institute of Science Education & Research (IISER)**, Mohali, was invited as a Resource Person via Online Medium. Her topic of presentation was **‘The History & Future of Nanotechnology’**. She is a person of excellence with a research experience of more than 14 years & over 11 research publications of international repute. She has obtained her M.Sc. degree from IIT Guwahati and Ph.D. Degree from Indiana University, USA. Currently she is serving and actively engaged in research at IISER, Mohali. So, her talk on this **‘Current Topic’** was definitely a brilliant way for sensitizing our budding scientists towards ongoing research innovations. Thereafter, the seminar was conducted in a Physical Mode where **a paper was presented by Dr. Shallu** on the topic **“NANOTECH MARVELS: FROM LAB TO LIFE CHANGING APPLICATIONS”**. In this lecture Dr. Shallu talked about the most fascinating innovations of nano science which have already been commercialised and have taken an inseparable place in our lives such as Nano-silver based antimicrobial refrigerators, washing machines, air-conditioners, vacuum cleaners, water and air purifiers, super-light & huge memory space smart phones, computers etc. She also enlightened the students about the ventures of nanotechnology into the textile industry, the self-cleaning fabrics with anti-microbial and antibacterial activities, the invention of the Intelligent Apparels and the incorporation of flexible nano-circuits into the Smart Clothing. She also gave a peep into the amazing sci-fi inventions such as Invisibility Cloaks, Power Combat Suits, Robust Sports Gear etc. She also poured light on the applications of Nanotechnology in Medicinal, Agricultural and Food industries, Genetic Engineering, Targeted Drug Delivery for the treatment of cancer and other fatal ailments, etc. The students were amazed and surprised at the same time as they were really unaware that they are almost every day using the innovations which are the result of tedious day & night research efforts of the scientists working on nanotechnology. Dr. Shallu also made the students familiar with the recent claim of some

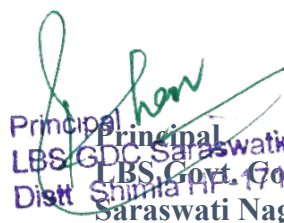


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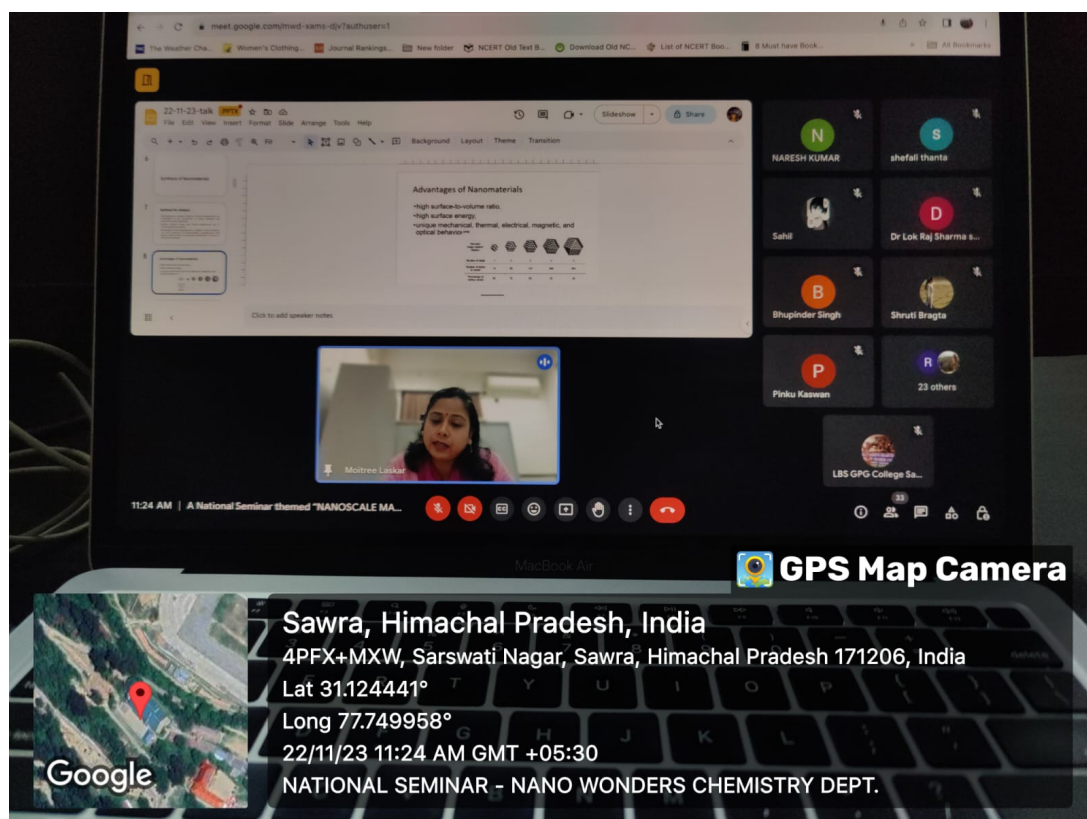
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genetic engineers about the deathless life by 2045, where death would become an optional and a rare phenomenon occurring either due to accidents or some natural disasters. Thereafter, the stage was taken over by Dr Lok Raj Sharma who gave an enlightening talk about the research methodology & techniques for the preparation and end-use of nano materials. He also shared his personal research experience with the students. The seminar was concluded by Dr. Shallu with a message that 'Science and Knowledge' come along with bigger 'Social as well as Environmental Responsibilities' where we as the science community must be aware of the benefits and limitations associated with any technology in use.

  
Principal  
LBS GDC Saraswati Nagar  
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Convener  
Dr. Shallu  
Department of Chemistry

## PHOTOGRAPHS





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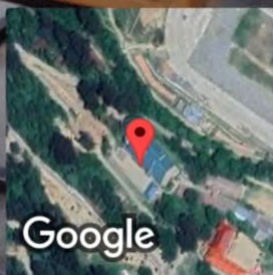
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 **GPS Map Camera**



Google

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4PFX+MXW, Sarswati Nagar, Sawra, Himachal Pradesh 171206, India

Lat 31.124465°

Long 77.749943°

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NATIONAL SEMINAR - NANO WONDERS CHEMISTRY DEPT.



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