



भेषजी विज्ञान स्कूल

(स्वामी राम हिमालयन विश्वविद्यालय की एक शैक्षणिक इकाई)

School of Pharmaceutical Sciences

[A Constituent Academic Unit of Swami Rama Himalayan University]

REPORT ON

Visit of Prof. Shahid H. Ansari, Visiting Professor, School of Pharmaceutical

Name of the Activity: Interactive session on “Importance of Microscopy of Crude Drugs”

Date: 9th May 2026

No. of Attendees: 118

Faculty In-charge: Mr. Abhishek Chandola, Dr. Srishti Dora, Mr. Harsh Pratap Singh

The event commenced with a warm welcome and introduction of the visiting faculty, Prof. (Dr.) Shahid H. Ansari, Former Vice Chancellor of Jamia Hamdard. Thereafter, Prof. (Dr.) Preeti Kothiyal, Dean, School of Pharmaceutical Sciences addressed the students and motivated them to remain attentive and grasp as much knowledge and expertise as possible from the eminent speaker.

Prof. Ansari began the session by explaining the importance of microscopic studies in the identification and evaluation of crude drugs. He elaborated the fundamentals of microscopy in a very clear and interactive manner. The qualitative aspects discussed included different types of stomata, trichomes, fibres, and calcium oxalate crystals, which were explained through neatly hand-drawn diagrams on the board.

Further, he explained the quantitative microscopy parameters such as stomatal number, epidermal cell count, stomatal index, palisade ratio, vein-islet number, and vein-termination number in a simplified and understandable way.

The session provided students with a crystal-clear understanding of the concepts of microscopy related to crude drugs. Students enthusiastically participated by asking thoughtful questions, reflecting their keen interest in learning from experts and their developing logical and analytical thinking abilities.

Prof. (Dr.) Preeti Kothiyal
Dean, SPS

Dr. Srishti Dora

Assistant Professor



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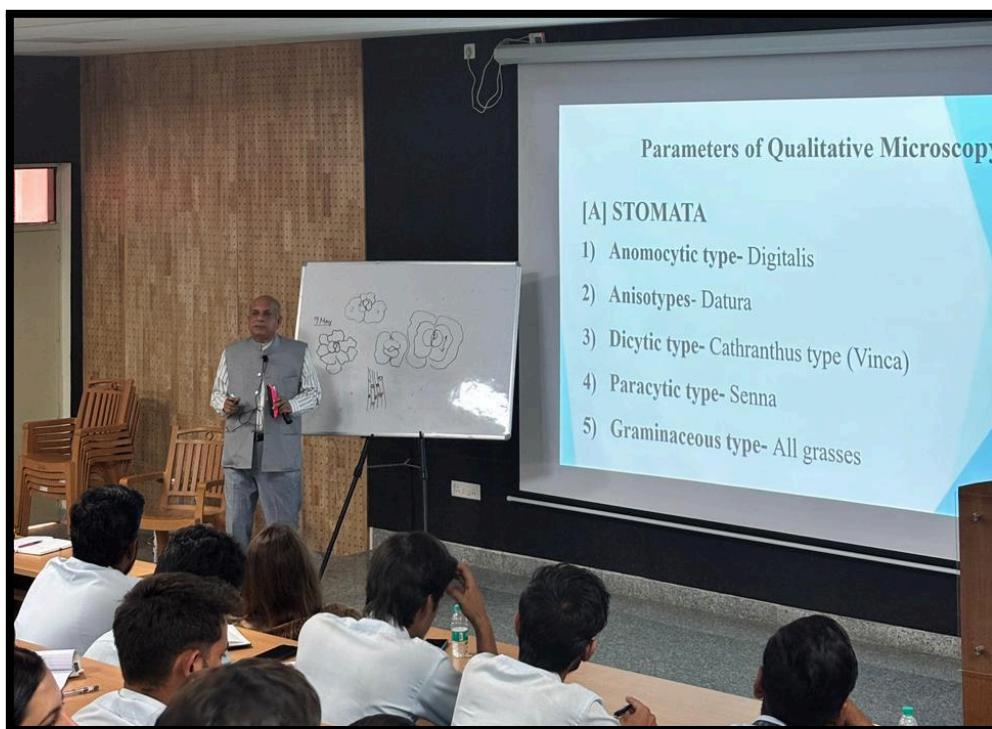
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GLIMPSES OF THE DAY



Prof. (Dr.) Preeti Kothiyal
Dean, SPS

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REPORT ON

Visit of Prof. Shahid H. Ansari, Visiting Professor, School of Pharmaceutical

Name of the Activity: Hands-on session on “Microscopy of Crude Drugs”

Date: 9th May 2026

No. of Attendees: 20

Faculty In-charge: Mr. Harsh Pratap Singh

The hands-on session on “*Microscopy of Crude Drugs*” was conducted in the Pharmacognosy Laboratory for B. Pharm VI Semester students. During the practical demonstration, Prof. (Dr.) S.H. Ansari provided detailed training on quantitative microscopy parameters such as stomatal number, epidermal cell count, stomatal index, palisade ratio, vein-islet number, and vein-termination number in a simplified and highly understandable manner.

Students were also introduced to the microscopic evaluation and identification of various crude drugs and powdered samples including Nux vomica, cinnamon, rhubarb, onion powder, potato starch, rice starch, maize starch, and wheat starch. The expert explained the distinguishing microscopic characteristics of each sample and demonstrated how microscopy plays a crucial role in authentication, detection of adulteration, and quality control of herbal drugs.

The session was highly insightful and interactive, enabling students to correlate theoretical concepts with practical applications. Students actively observed slides, compared structural differences, and gained hands-on experience in identifying diagnostic characters of crude drugs. The practical exposure enhanced their analytical skills and deepened their understanding of pharmacognostical standardization techniques used in herbal and natural product research.

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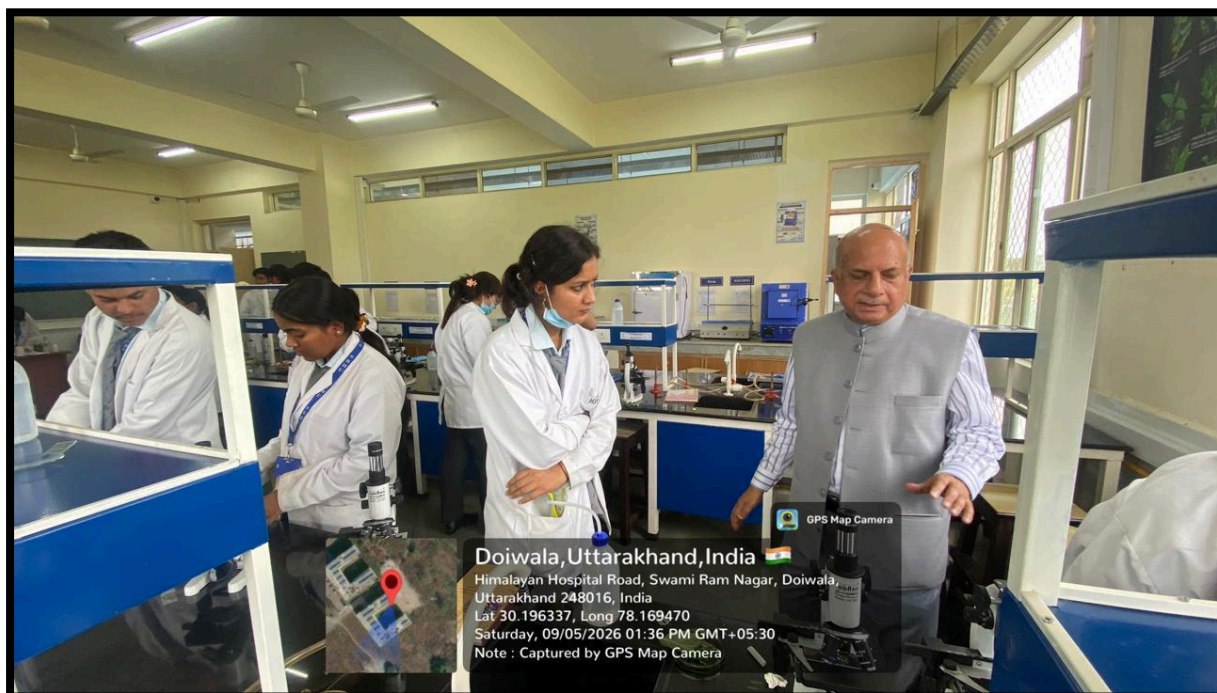
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REPORT ON

Visit of Prof. Shahid H. Ansari, Visiting Professor, School of Pharmaceutical

Name of the Activity: Interactive Talk on “Recent Developments in Standardization of Herbal Drugs”

Date: 9th May 2026

No. of Attendees: 81

Faculty In-charge: Mr. Abhishek Chandola, Dr. Srishti Dora, Mr. Harsh Pratap Singh

The session featured an interactive talk on “*Recent Developments in Standardization of Herbal Drugs*” delivered by Prof. (Dr.) S.H. Ansari. The session highlighted the growing global importance of herbal medicines and the urgent need for their proper standardization to ensure quality, safety, efficacy and international acceptance.

During the session, the expert explained that unlike allopathic drugs, which are chemically pure and well-defined compounds, herbal drugs are complex mixtures obtained from natural sources and therefore require stringent standardization procedures. He emphasized that standardization is essential not only for maintaining consistency and therapeutic effectiveness but also for promoting Indian traditional herbal knowledge and formulations in the global market.

Prof. Ansari elaborated various methods of standardization including organoleptic, microscopic, physical, chemical, and phytochemical evaluation techniques. He also discussed the permissible limits of heavy metals, contaminants, pesticides, and microbial load in herbal products as per regulatory guidelines, stressing their importance in ensuring consumer safety and export quality standards.

The session further included an engaging discussion on the advantages and importance of herbal formulations over conventional allopathic therapies in certain conditions, particularly with respect to natural origin, holistic action, and comparatively fewer side effects when used appropriately.

Students enthusiastically interacted throughout the session and raised several thoughtful questions regarding herbal drug safety, quality assurance, formulation development, and future opportunities in herbal research. The active participation reflected the students’ curiosity, scientific temperament, and increasing interest in the field of herbal and natural product sciences.

Prof. (Dr.) Preeti Kothiyal
Dean, SPS

Dr. Srishti Dora

Assistant Professor



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