

Biomedical Science: 2022-2023

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1) Seminar-" Anecdotes of Science": The Department of Biomedical Science organized a seminar on 14th October, 2022. Seminar was given by Dr. S. Laxmi Devi, the founder and Ex-principal of Shaheed Rajguru College of Applied Sciences. She began her talk by sharing some motivating and inspiring words and quotes with the students and faculty. She also emphasized on the importance of discipline in the life of a student along with enlightening them with the need of efficient time-management. She motivated the students to follow the one and only motto in life, 'I CAN DO IT'! She proceeded to explain in brief the anecdotes of science which were quite crucial for the students to be aware about. The anecdotes included various Nobel Prize recipients.

Names of Resource Person: Dr. Laxmi Devi the founder and Ex-principal of Shaheed Rajguru College of Applied Sciences.

Number of Participants: 80



2) Education trip to AIIMS: On 27th September 2022, the students of Shaheed Rajguru College of Applied Science for Women, Department of Biomedical Science along with their faculty professors Dr. Saquib Ansari, Dr. Radhika Bakhshi, Dr. Hemant Kardam and Dr. Indu Arora visited AIIMS (All India Institute Of Medical Science) and attended the Seminar the Theme of the seminar is "AIIMS today & Vision-2047". They learned how to perform CPR, learned about some new upcoming technologies like Robolistic Operation, Nanotechnology etc. After the Exhibition, they were taken to towards the medical labs (Biochemistry lab, NMR facility, Electron microscope facility) and Central Animal Facility. Overall it was a fruitful visit to the AIIMS providing a good exposure and learning experience for all students.

Names of Resource Person: Dr. Saquib Ansari, Dr. Radhika Bakhshi, Dr. Hemant Kardam and Dr. Indu Arora

Number of Participants: 27



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3) Awareness program: The workshop was organized on 1st November, 2022. Dr. Ranjana Mishra, was the guest speaker for the event. Dr, Ranjana, a DGO, DNB (O & G), DNB-SS (Medical Genetics), is a Medical Officer at the Thalassemia Screening & Prevention Program, Genetic Division at MAMC & Associated Lok Nayak Hospital, New Delhi. Dr. Ranjana began her talk by introducing about the concept of Thalassemia, its symptoms (major and minor), mode of inheritance, screening and the complications associated with it. She also emphasized on the treatments possible including chelating agents and Bone Marrow Transplant. She went on to talk about the Sickle Cell Disease (SCD), its common genotypes, the symptoms involved, its pathophysiology and the treatment methods for the same. Gene therapy, in developed countries is quite advanced and can help cure SCD whereas In-Vitro Therapy in unborn children is effective against SCD.

Names of Resource Person: Dr, Ranjana, a DGO, DNB (O & G), DNB-SS (Medical Genetics)

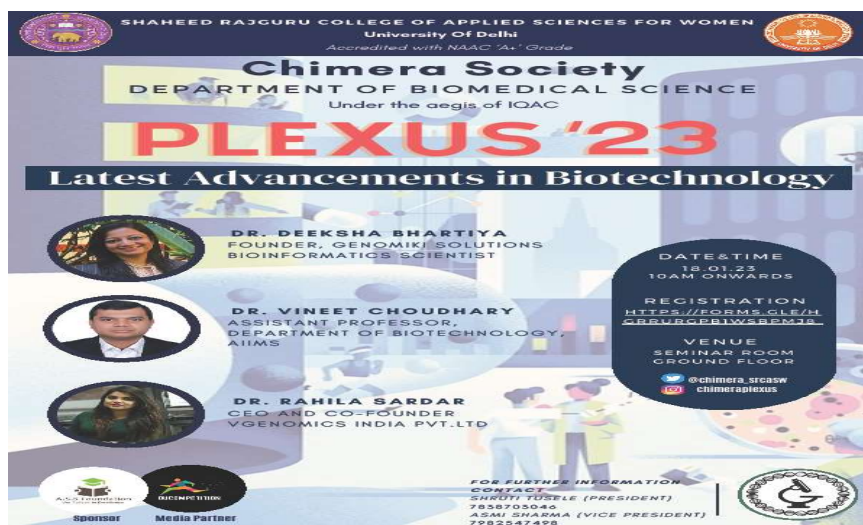
Number of Participants: 104+



4) **Technical fest- PLEXUS:** The Department of Biomedical Sciences, organized their much-awaited tech fest, PLEXUS'23, on January 18, 2023. Every year fest came with the theme, this year theme of the fest was **"Latest Advancement in biotechnology"**. The special guest lectures were the highlight of the event. Beginning with Dr. Vineet choudhary (Assistant professor, department of Biotechnology, AIIMS), who gave an insightful talk on **"Brief etymology of the word 'biotechnology' which comes from the Greek words bios- life and techne- art"** Followed by Dr. Deeksha Bhartiya (Founder of Genomiki solutions and Bioinformatics Scientist), she spoke on **"Bioentrepreneurship' – the art of innovating and commercializing life sciences.** She expressed the significance of combining Science with Business and shared a glimpse of the knowledge required to be a successful bioentrepreneur" and Dr. Rahilla Sardar (CEO and Co-founder of Vgenomics India pvt. Ltd.) ,she spoke on **"Applications of genetic testing in newborn screenings, carrier screening, predictive testing and prenatal screenings"**. She began her talk by sharing her experiences as a science student. She discussed the potential of 'Precision medicine' which aims to tailor the most effective medical treatment plan for each individual patient based on characteristics such as genetic information, environment and lifestyle.

Names of Resource Person: Dr. Vineet choudhary (Assistant professor, department of Biotechnology, AIIMS), Dr. Deeksha Bhartiya (Founder of Genomiki solutions and Bioinformatics Scientist) and Dr. Rahilla Sardar (CEO and Co-founder of Vgenomics India pvt. Ltd.)

Number of Participants: 140



5) Smriti: “The Alumni Meet”: The Biomedical Science Department of Shaheed Rajguru College of Applied Sciences for Women, had organized Smriti, The Alumni Meet for its students and faculty on 4th February, 2023. The event was graced by several Alumnus of the Department who are now successfully leading an honorable life in their horizons.

Names of Resource Person: Alumni’s

Number of Participants: 90



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