

GOVERNMENT DEGREE COLLEGE BARAMULLA

NAAC Re-accredited Grade "A" and College with Potential for Excellence Status

Press Release



The Dept. of Chemistry, Government Degree College Baramulla, organized on August 10, 2021, an internship presentation of the internees, pursuing three-month Research Internship Programme in Chemistry Research Lab. (CRL), Dept. of Chemistry. The programme was held at the Conference Hall under the aegis of the principal, Prof. Dr Mushtaq Ahmad Lone and the Internship Programme Co-ordinator, Dr. Mushtaq Ahmad Lone, Assistant Professor, Dept. of Chemistry.

Dr. Saleem Farooq, Assistant Professor, Dept. of Chemistry, anchored and initiated the proceedings of the programme, giving a warm and cordial welcome to the principal, the faculty and the students.

Next, the principal, Prof. (Dr) Mushtaq Ahmad Lone, expressed his greetings to the audience and encouraged the internees and the other students to inculcate in them the spirit of research for the betterment of their career and the society in general. He highlighted the importance of academic research in colleges so as to excel at the highest seat of learning and bring laurels to the nation.

After the enlightening speech by the worthy principal, Ms. Sana Zahoor, an internee, delivered a presentation on her work, entitled "Development of 4-Ethylpiperic Acid (EPA) congeners as Efflux Pump Inhibitors (EPIS)" wherein the internee has synthesized a natural-product inspired product, 4-Ethylpiperic

Acid (EPA), and made various amide and carbazate derivatives from it, with a focus on development of synthesized congeners as EPI's.

Next, Ms. Iffat Majeed and Ms. Zeeshan Maqbool gave a collective presentation on "Study of Complexation behavior of different bio-ligands against heavy metal toxicity" laying bare the potent use of natural products as ligands to form chelating complexes for applications in various target areas.

Next, Ms Asima Jahan presented her work on "Isolation and semi-synthesis of plant-derived Natural products for the development of potential bioactive agents" wherein she isolated a bio-active compound "Osthol" from "*Prangos pabularia*" plant collected from Drass, Ladakh and carried out chemical modifications for exploring its reactive sites, with an aim to develop new potent bioactive agents.

After their skillful and informative presentations, all the internees expressed their gratitude for their mentors, Ms Nuzhat Rehman, HOD, Chemistry, Dr Saleem Farooq, Assistant Professor, Chemistry, Dr Mushtaq Ahmad Tantray, Assistant Professor, Chemistry, Dr Mohammad Sideeq, Assistant Professor, Chemistry, besides thanking the principal for his time-to-time encouragement and the co-ordinator, Dr Mushtaq Ahmad Lone, for his relentless support.

Next, the principal congratulated the internees for the completion of their projects and appreciated the efforts of the Dept. of Chemistry for exposing students to research, thereby, adding feather in the plume of the college.

Finally, Prof. Dr. Abdul Rashid Malik, presented a vote of thanks, marking the culmination of the programme on a cordial note.