

Visit of Dr. Yelena Zyukina, practitioner from Kazakhstan and Dr. Nikolay Zamarenov, experts of working group on Homoeopathy from Russia to DDPRCRI (H), Noida.

A meeting was held with Dr. Yelena Zyukina, a practitioner from Kazakhstan and Dr. Nikolay Zamarenov from Russia on dated 06th December 2017 in the office of Dr. B. S. Arya, Officer in charge, DDPRCRI (H), Noida. The meeting was initiated by Officer In-charge and also attended by the officers of Drug Standardization Section from CRIH, Noida. At the outset, Dr. B. S. Arya welcomed Dr. Yelena Zyukina and Dr. Nikolay Zamarenov. Dr. Yelena Zyukina explained the drug control in her country, including of HMPs. Dr. Nikolay Zamarenov, experts of working group on Homoeopathy of Healthcare Committee of Government Duma of the Russian Federation, shared the history of development of Homoeopathy in Russia.

A visit of Drug Standardization and research wing was also organized by Officer in charge. Guests visited various research labs of Drug Standardization i.e. Pharmacognosy, Chemistry, Pharmacology, Molecular Biology and Zebra fish laboratory and Microbiology labs one by one and scientific discussion with the concerned scientists and their co-workers.

Mr. Digvijay Verma, ARO (Pharmacognosy) explained various activities being performed and research work to be carried out at pharmacognosy lab. He discussed the standardization procedure for plant drug like microscopy and bio-statistical parameters like vein islets, palisade ratio, stomatal index etc. for authenticity of drugs. Both the guest interacted for all these parameters. They also visited the raw drug museum maintained at Institute and deliberately discussed the procedure for mounting the herbarium sheets for raw drug repository.

Dr. Binit Kumar Dwivedi, RO/S-2 (Chemistry) explained the process of preparation, standardization of homoeopathic drugs and their vehicle in brief. He also explained the various activities being performed in physicochemical lab i.e. trituration and potentisation and their importance. He also explained the process of determination of refractive index (RI) of alcohol and specific optical rotation (α D) of lactose by refractometer and polarimeter respectively since both are commonly used as a vehicle in the preparation of homoeopathic drugs. Guests showed their keen interest in knowing the methods for determination of Lambda maximum (λ_{max}) and antioxidant activity of mother tincture and dilution by Ultra Violet Spectroscopy.

Mr. Suneel Prajapati, SRF (Microbiology) explained the ongoing research on antifungal and antibacterial activity carried out at microbiology laboratory. They showed interest in the homoeopathic medicines used in these studies and the outcome of the experiments. They also discussed about the experimental procedure used in drug sensitivity assay.

Ms. Mahima Sharma SRF (Pharmacology) explained them about the ongoing lab work in zebrafish lab. Procedure of maintenance, feeding, breeding and embryonic development was explained in detail. Pictures and videos of developmental stages of zebrafish eggs and larvae captured in our lab were also showed to them. Both the delegates appreciate the work done and very much convinced about the research protocol and study results.

Dr. Yelena Zyukina and Dr. Nikolay Zamarenov appreciated ongoing activities and research work being carried out at DDPRCRI (H), Noida.



Dr. Yelena Zyukina and Dr. Nikolay Zamarenov in Chemistry lab with officials of CRI, Noida



Dr. Yelena Zyukina and Dr. Nikolay Zamarenov in Microbiology lab with officials of CRI, Noida



Dr. Yelena Zyukina with herbarium sheet and Dr. Nikolay Zamarenov in the Drug Standardization & research wing with officials of CRI, Noida