

REPORT

Report on participation of the ICMR International Fellow (ICMR-IF) in Training/Research abroad.

1. Name and designation of ICMR-IF : Dr. Kausar Mahmood Ansari, Scientist
2. Address : CSIR-Indian Institute of Toxicology
Research, M G Road, P.O Box 80,
Lucknow, 226001, India.
3. Frontline area of research in which training/research was carried out : Chemical Biology (Drug-Protein Interaction)
4. Name and address of Professor and host institute : Prof. Rajesh Agarwal, Department of Pharmaceutical Sciences, University of Colorado School of Pharmacy, Aurora, CO, 80045, USA
5. Duration of the fellowship : Three Months
6. Highlights of work conducted :
 - i) Technique/expertise acquired : I got trained in Drug Affinity Responsive Target Stability (DARTS) assay. I also learned in vitro angiogenesis assay.
 - ii) Research results, including any papers, Prepared/submitted for publication : I performed the DARTS assay in silibinin treated human basal carcinoma cells, where I found some new undigested bands on SDS-PAGE gel. Mass spectroscopy of bands is under process to identify the new protein/s. Based on the work done during this visit, I will be the part of one or two manuscript.
 - iii) Proposed utilization of the experience in India : At CSIR-IITR, I am working in the area of risk assessment and mechanism(s) of toxicity of food contaminants, the mycotoxins. Now I will set up the DARTS assay, so that I can extend my work on the mechanism(s) of mycotoxin toxicity to the identification of its protein target(s).

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Kausar Mahmood.

Signature of ICMR-IF