

Tour Report

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

- 1. Name and designation of ICMR- IF :** Dr. Dinesh Kumar
- 2. Address:** Assistant Professor, Institute of Pharmaceutical Sciences, Kurukshetra University, Kurukshetra-136119 (Haryana)
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- 3. Frontline area of research in which training/research was carried out :** Use of nanotechnology to leverage the pharmacological effect of Cannabis
- 4. Name & address of Professor and host institute:** Prof. Shimon Ben-Shabat, Director-School of Pharmacy, Department of Biochemistry & Pharmacology, Faculty of Health Sciences, Ben-Gurion University of the Negev P.O. Box 653 Beer-Sheva 84105, ISRAEL.
- 5. Highlights of work conducted:**
Nanoparticles of CBD (Canabidol), a non-psychoactive compound of Cannabis plant were prepared by nano-precipitation technique, size was measured using nanosight. The CBD nanoparticles of size less than 200 nm and pure CBD were subjected to THP-1 cells (differentiated) for cell toxicity studies using XTT Protocols.

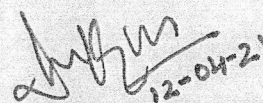
Discussion of future plans for collaborations:

- Technique/expertise acquired: Nanoformulations of CBD and their evaluations, Cell culture techniques, Cell toxicity studies.
- Research results, including any papers, prepared/submitted for publication: Under preparation
- Proposed utilization of the experience in India: I have planned to continue the further work in India in my lab.

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Signature of ICMR-IF



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