

REPORT

ICMR International Fellow (ICMR-IF) in Training/Research abroad

1. Name and designation of ICMR- IF : Dr. Natarajan Sakthivel
Professor
Dept. of Biotechnology
2. Address : Pondicherry University
Kalapet, Puducherry 605014
3. Frontline area of research in which training/research was carried out : Anticancer, antimicrobial metabolites and biogenic nanomaterials
4. Name & address of Professor and host institute : Prof. Om Prakash, Director,
Biomolecular NMR Facility
Dept. of Biochemistry &
Molecular Biophysics, 141,
Chalmers Hall
Kansas State University,
Manhattan, KS 66506, USA
5. Duration of fellowship : 15 days
6. Highlights of work conducted
 - i) Technique/expertise acquired : Synthesis methods for phloroglucinol-doped gold nanomaterial, Quantification and drug- release methods were optimized.
 - ii) Research results, including any papers, prepared/submitted for publication : Doped gold nanomaterial was synthesized and preliminary spectroscopic characterization was done. Results revealed the presence of metabolite in the doped nanomaterial.
 - iii) Proposed utilization of the experience In India : The validated techniques and protocols would be used in our ongoing research on anticancer biomolecules and bionanomaterials.

ICMR Sanction No. INDO/FRC/452/S-23/2016-17-IHD


Signature of ICMR-IF