

	DEPARTMENT OF INDUSTRIAL CHEMISTRY (UGC-SAP, DST-FIST, DST-PURSE, MHRD-RUSA assisted Department) ALAGAPPA UNIVERSITY (A State University Established by the Government of Tamil Nadu in 1985, Accredited with A+ Grade by NAAC (CGPA 3.64) in the Third Cycle, Graded as Category-I University and Granted Autonomy by MHRD-UGC) KARAIKUDI - 630 003, Tamil Nadu, India	
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Report on SSR Activity Under SERB-CRG Grant File No. CRG/2020/003416

The POM (Model: Olympus BX-53) was procured under the DST-CRG grant. The POM is an optical instrument mainly used to study the liquid crystal (LC) compounds. The phase behaviour of the LC compounds and the textures of the mesophase displayed by these compounds can be investigated under POM.

Activity 1 : Research facility training

Under DST-SERB-CRG grant (PI:Dr.S.Umadevi), Scientific Social Responsibility (SSR) activity conducted on 25.01.2023 at this Department.

Under this activity, hands-on-training on Polarising Light Optical Microscopy (POM) was provided to PhD Research scholars of this University. A total of 12 research scholars from different colleges /departments namely (i) Sree Sevugan Annamalai College-Devakotai, (ii) Alagappa Govt. Arts College-Karaikudi, (iii) Department of Physics-Alagappa University, (iv) Department of Nanoscience and Nanotechnology-Alagappa University.

A powerpoint presentation was made to the scholars to explain the instrumental parts, working procedure as well as application. Then, each scholar participant was given hands-on-training using the POM by providing them with LC compounds- **4-cyano-4'-pentylbiphenyl** (5CB) and **cholesteryl oleyl carbonate** (COC). At the end of the training programme, certificates were issued to the participants. Attendance list and few photographs are attached here with

