

# Kamal A. Shair Central Research Science Laboratory (KAS CRSL)

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The Kamal A. Shair Central Research Science Laboratory (KAS CRSL) at the American University of Beirut provides access to state of the art instrumentation, which is essential for a thriving university research program. The KAS CRSL includes instruments such as an NMR spectrometer, x-ray diffractometer, flow cytometer with sorter, fluorescence imaging microscope, pulsed laser deposition system, Quantitative PCR, and other equipment. This research facility compliments other specialized departmental and faculty research laboratories, and as such aims at promoting individual as well as joint and multidisciplinary co-operative research.

The KAS CRSL is designed primarily to serve AUB faculty members, their graduate students, and their research collaborators both from industry and from other universities within Lebanon, the Middle East region, or internationally. Furthermore the KAS CRSL contributes to excellence in undergraduate teaching by providing students with hands-on learning experience on advanced instrumentations, and a head start in scientific research.

The KAS CRSL serves research in most disciplines, including the basic sciences (biology, chemistry, geology, and physics), medicine, health sciences, agricultural and food sciences, and engineering. Growth, upgrading, and the addition of new instruments to the KAS CRSL is controlled by research needs and trends.

The KAS CRSL is a testimony to AUB's commitment to provide a most needed research environment for Lebanese and Middle Eastern researchers. It also represents the backbone of PhD programs at AUB, as it provides our students with hands on experience and advanced research training similar to that offered at prestigious international universities. Its mission is to give our researchers the edge to compete with international researchers.