The formation of the JSMLS grew from the fact that in the 1970s, when private medical laboratory services in Jordan started to grow. A group of six individuals who owned their private labs started to meet between them for months until they reached a consensus for establishing a society for private lab owners (directors), and on September 13th, 1978 they signed, as founding members the first bylaws of the society, which was submitted to the interior ministry for official recognition. Those individuals were Dr. Hashem M. Al-Magreby, Samir A. Al-Aref, Baker S. Essa, Najeeb I. Ayoub, Zouhair D. Matalqa, and Dr. Ragheb Kamal.

The membership of the society was confined to private laboratory owners who were licensed by the ministry of health, total number of whom were about 20–30. The first president of the society was Dr Ragheb Kamal, who chaired the society for more than 12 years until the council in his last year in term changed the bylaws to allow other graduates in the profession to join the society. In the beginning of 1990s, the society started to grow rapidly with increasing numbers of graduates joining the society. This led a new individual/comer to become a president (i.e. Dr. Abdel-Fatah Kilany), and a new era to start in the history of the society, attracting university academics as well. Prof. Dr. Yousif Y. Bilto was the next president followed by Dr. Salwa Amarin and now Abdulaziz Masoud.

In 1991, a new era was also about to start for the Arab Federation of Clinical Biology (AFCB), when representatives of several arab countries (Jordan, Egypt, Syria, Morocco, Tunisia, Algeria and Kuwait) attending the 6th triennial Congress of the Arab Federation of Clinical Chemistry (AFCC) (established in Egypt/Cairo in 1974), which was hosted by the Tunisian society in Munesteer, decided to change the name of AFCC to a new name of AFCB, with new bylaws, to include all specialities of medical laboratory sciences. Thus, the Jordanian society was a founding member of the AFCB.

In 1995, the Jordanian society became a full member of the IFCC. In 1997, the society hosted the 8th triennial congress of the AFCB, in Amman, which was also attended by the president and the past president of IFCC at that time (prof Matthew McQueen and prof Gerard Siest respectively).

In 1997, the society as being NGO organization has obtained a seat in the license committee of the ministry of health which governs the profession’s affairs in Jordan. Currently, members of the society are the specialists in medical laboratory sciences who hold MSc and PhD degrees (medics and non-medics) as well as graduates of medical laboratory sciences, biology and pharmacy who hold BSc degrees. The mission of the society is to continuously improve the ethical, scientific, technical, and economic aspects of the medical laboratory profession in Jordan and to improve medical laboratory services to individuals and public at large through the development of laboratory sciences in Jordan, the organization and promotion of scientific meetings, the provision of external quality assurance programs and the implementation of ISO requirements. As the membership in the society is voluntary, the society is pushing forward the long lasting struggle to establish a national syndicate for workers in the profession, the membership of which supposed to be obligatory.

Last year (2014), the society was able to push forward the establishment of a new professional organization in Jordan, i.e. the Association of Private Laboratory Proprietors and Medical Analysis Specialists (APLPMA), the membership of which is also voluntary.

The Jordanian society continues its tireless efforts to promote the profession and to fulfill its commitments at every opportunity, in particular to reach a national syndicate for the profession with obligatory membership. The Jordanian society through out the years was behind the establishment by the ministry of health of many regulations related to the professional practice in Jordan. In the context of mutual cooperation and occupational mobility, the society established bridges of cooperation with the member societies of AFCB, IFCC, the society of laboratory medicine of Jordanian medical syndicate, Jordanian universities and hospitals and labor ministry.

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