

PROFESSIONAL SERVICE OF THE CHARTERED BIOLOGIST

Institute of Biology Sri Lanka

Institute of Biology Sri Lanka (IOB-SL) is the professional association of biologists in the country. It is incorporated under the Parliament Act No. 22 of 1984. IOB-SL collaborates with the government sector, private sector and non-governmental organizations in the country on matters in the field of biology. The capacity of the IOB-SL as an entrenched professional body is reflected by its large membership. IOB-SL members include a wide range of professionals in many organizations of the country. Among the objectives of the IOB-SL are dissemination of knowledge, promotion of education on biology, and advising to the government and other institutions on all matters pertaining to any field of biology and biological applications. On this direction IOB-SL addresses the promotion of awareness of the general public on modern concepts of biology and their impact on the society. Members of IOB-SL are elected considering their qualifications, experience, competence and professional achievements. IOB-SL is the only body that has the powers to award the title of “Chartered Biologist (CBiol)”. This title is recognized as a hallmark of excellence in the field of biology and CBiol is open for the members of IOB who are professionally qualified and competent in various fields of biology. The applications are scrutinized and assessed by the Council of the IOB-SL before awarding of CBiol status in order to ensure that the “Chartered Biologist” is capable of offering trustworthy services to the country. CBiol status indicates the excellence of achievement, competence, personal integrity and the ability to exercise high level leadership in the profession.

Role and responsibilities of Chartered Biologist

Chartered biologists are capable of playing a strategic role by providing professional advice for various institutions and authorities on various aspects of biology including conservation of nature and environment. They are the only group in the country who could provide the trustworthy information and analyses on matters pertaining to the biology.

Professional service of the Chartered Biologist

Chartered Biologists due to their competence that has been developed through their experience and research are capable of undertaking and leading diverse activities that essentially require prudence and proper judgment. These include, but not limited to;

- a) using specialist knowledge to optimize the application of existing and emerging technologies in any field of Biology
- b) applying appropriate theoretical and practical methods to analyze and solve problems related the application of biology
- c) making a personal commitment to work through the appropriate code of professional conduct, recognizing obligations to society, the profession and the environment of making sound judgments on complex issues in this diverse fully biology and communicates there effectively to specialist and non-specialist groups.
- d) exercise personal judgment and responsibility in complex and unpredictable situation identifying conceptualizing and providing creative insight to complex visuals in the diverse fields of biology.

Areas of service of the Biologist

There are many areas of biology where Chartered Biologists could directly involve and provide services to economic development activities in the country. Some of these areas are as follows:

<i>Agronomy</i>	<i>Epidemiology</i>	<i>Parasitology</i>
<i>Animal husbandry</i>	<i>Fisheries biology & management</i>	<i>Pathology</i>
<i>Aquaculture</i>	<i>Floriculture</i>	<i>Plant breeding</i>
<i>Biochemistry</i>	<i>Food technology</i>	<i>Postharvest technology</i>
<i>Bioinformatics</i>	<i>Forestry</i>	<i>Silviculture</i>
<i>Biotechnology</i>	<i>Horticulture</i>	<i>Sociobiology</i>
<i>Cell biology</i>	<i>Immunology</i>	<i>Taxonomy of plant & animal</i>
<i>Conservation biology</i>	<i>Limnology</i>	<i>Tissue culture</i>
<i>Developmental biology</i>	<i>Marine biology</i>	<i>Veterinary science</i>
<i>Ecology</i>	<i>Microbiology</i>	<i>Virology</i>
<i>Entomology</i>	<i>Molecular biology</i>	<i>Wildlife management</i>
<i>Environmental conservation</i>	<i>Neurobiology</i>	<i>etc.</i>
<i>Environmental management</i>	<i>Paleontology</i>	

Recommendation

Similar to the professional services offered by the Chartered Accountants, Chartered Architects and Chartered Engineers; the council of IOB-SL kindly requests from the state and non state institutions to take necessary action to acquire the services of a Chartered Biologist in the field of biology or related projects. Chartered Biologists can provide their professional services and expert knowledge in preparation of project reports, implementation, monitoring and assessments of projects, biological auditing and expert consultancy which deals with any aspect of biology. When impacts assessment and initial environmental examinations are carried out, it is also important to include a Chartered Biologist as a member of the study teams, so that proper and quality scientific studies are carried out in an objective manner.