

Editorial Note:

RESEARCH AND DEVELOPMENT FOR THE ZOOLOGICAL SCIENCES.

Scientific research and development creating the opportunity to push forward knowledge and the technical skills to solve a specific problem. “Research” and “Development” in short R&D represented such effort in reality a relationship between academia and the industry.

Scientific research and development take place in universities, in government research institutes and in industry. This is the beginning for a scientist to govern their next step to offer their research finding. As the entry requirements and application processes for each differ with job opportunities. Considering what is important to the job seeker, and what extent his/her interest in education, research matching with the job market and industry.

In Bangladesh zoological research is broadly restricted at the universities and the research organization. Workers in the scientific research and development services create technologies that will change the way people live and work today and future. For instance, after establishment of zoology department at University of Dhaka in 1954. The first MSc thesis research on Cytology (research done in 1954), Wildlife Biology (research on 1956), Entomology (research on 1957) and Fisheries (research on 1968) were initiated and conducted in this country by this department. Though it looks like a history but it opened up a new horizon of education and research in the country and the regionally at Bengal delta. The importance of the education and research further demonstrated by the considerable attention paid to establish the subject zoology and agricultural sciences in this country. The subject expanded in the major universities like Rajshahi, Chittagong, Jahangir Nagar and later at National and Jagannath university. The trained zoologist also contributed to establish some major agricultural universities and private universities of the country. Some major discoveries of species, biodiversity assessment, aquaculture techniques, malarial parasites host, cereal or crop pest control, public health issues, animal parasites, genomic studies, animal barcoding, etc. are now enhancing the pace of research and development of this land. New zoological and applied technologies per se quickly revolutionize the scientific effort and benefits for all.

However, at present the approaches to the industry are very limited. In Bangladesh, the industry covers diverse fields of zoological sciences. The most fundamental division of the scientific research and development services to the industry is expected in R&D to develop a connection between demand-based approach to the zoological sciences. The important areas of research and

development in the physical and zoological sciences include animal biodiversity, crop protection, fish and animal production, public health as well as biotechnology, nanotechnology; molecular identification, forensic sciences and many other applied fields needs to be explored more. Goods and services offered from the department can create more attachment with industries.

Since the scientific research and development services to the industry is a new process in Bangladesh, specially in zoological sciences. Separate cell for research, communication and offering goods and services needs to be established. Smart approach for assessing and the continuously updating the cutting edge of knowledge is must for the sustainability. Also new technologies and research methods can open up new horizon of communication with the industry.

What will be the task for a zoologist now? They have to develop undated infrastructure by space and instrumentation. Have to reevaluate the curriculum and conduct demand led research. MOU with industry and other institution both in country and abroad will be preferred. New courses and networking with alumnus will be the added focus in this venture.

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