



## **ON-GOING RESEARCH PROJECTS AT ANKARA NUCLEAR RESEARCH CENTER IN AGRICULTURE AND ANIMAL SCIENCE**

**Tukenmez İ.**

*Ankara Nuclear Research Center in Agriculture and Animal Science, Ankara, Turkey*

The research and development activities of Ankara Nuclear Research Center in Agriculture and Animal Science (ANRCAA) are concentrated on the contribution of atomic energy to peace by the use of nuclear and related techniques in food, agriculture and animal science. Nuclear techniques are used in the above fields in two ways: *in vitro* or *in vivo* radiotracing the substances and processes of biological importance, and irradiation of biological materials for preservation and quality modification. Research projects are carried out by interdisciplinary studies with well equipped laboratories at the Center. The projects in progress conducted by the Center comprises nuclear-aided researches in soil fertility, plant nutrition, plant protection, improvement of field crops, improvement of horticultural plants and forest trees by mutation breeding, *in vitro* culture technique with mutagen treatments, use of phosphogypsum in soil amelioration, sterilization of medical supplies, wastewater treatment, animal nutrition, animal health and productivity and accreditation. The on-going projects with the above subjects will be summarized for possible collaborations.