

## Abstract

Habilitation thesis entitled “*Improvement and adaptation of technological links for vegetable crops in the context of sustainable agriculture*”, developed by Assoc. prof. Drăghici Elena Maria, sums up the most important professional, academic and scientific achievements over the last 16 years, after obtaining the PhD title until now.

In the first part of the thesis, the objectives and their level of achievement were described, while emphasizing the results. The approached theme, in this habilitation thesis, refers to the documented presentation, in summary, my professional, academic and scientific achievements obtained over the last 16 years after the award of doctorate.

My academic work was concentrated on students from the Faculty of Horticulture, performing writing and editing the supports for the courses and practical works, as well as of some specialty papers. I always have had in mind to improve my competences and skills which assure my academic development and a high degree of professionalism for all teaching activities.

My professional achievements have occurred in the field of vegetables and have been harmonized with teaching activities and contributed to the development of skills which allowed me to be co-opted into work teams for research projects in the country or abroad.

My involvement in the research field materialized by winning three projects through national competitions as well as through projects carried out with international companies.

The results obtained in scientific research activities have provided the database for scientific papers presented and published and have allowed to students and master students, who participated in work teams to draw up graduation and dissertation thesis.

I have approached in this habilitation thesis three thematic areas in horticulture:

1. The knowledge and expanding of the assortment of vegetable plants;
2. Perfecting the technology for producing seedlings for some vegetable species;
3. Improving the culture technologies for some vegetable species grown under protected areas, followed by writing and editing specialized courses of vegetable growing field.

In the last chapter concerning my future plans for academic, professional and research career development, it is included continuous improvement and adaptation of study to complex preparation of horticulture specialists in context of requirements of the labor market.

Upgrading of the content of courses, practical activities as well as teaching methods and communication with students and masters in order to train the horticultural engineers in the context: analysis of the state of vegetation, crop diagnosis and ideal time decision for intervention according to the requirements phases of plant vegetation. The aim is to stimulate the best specialists in perfecting them through continue their studies by doctoral courses.

To disseminate the results of research I propose:

- entrainment PhD students in publishing research results;
- annual participation in conferences in the country and abroad;
- approach of a thematic research in line with new technologies and requirements as well as climate change and the impact on the elements of culture technology;
- research results in team will be published in ISI and BDI journals;
- I will always have into account to participate in working teams for new research projects in which to involve students, master and PhD students in order to form them for teamwork.

One of the main objectives in career development, particularly in research, is that to form a team who provide the results of a high scientific level, who can apply for national and European funds.