

ABSTRACT

The concept of university teaching involves validated scientific competence through scientific studies and communications, corroborated with the need for perpetual professionalism. Developing a solid foundation of engineering and management research, supporting the teaching of entrepreneurship, is a very topical approach in contemporary society. And this goal can be achieved primarily through the professional and human experience of the teachers involved in this field. This habilitation thesis reveals the capabilities and didactic and research performance of the candidate eng. Matei Tămășilă, Ph.D who currently holds a teaching position as an associate professor in the state of affairs of the Management Department of the Politehnica University of Timișoara, developed after the public support of the PhD thesis until now. The habilitation thesis focuses mainly on those achievements that attest to the author's ability to conduct scientific research activities in Engineering and Management with applications in Entrepreneurship, Education and Sustainable Management.

In nearly 21 years of didactic activity within the same department, the candidate has developed his capacities and didactic performances by carrying out all kinds of activities: seminar, laboratory, project, course, guidance in the elaboration of diploma and dissertation papers etc., climbing the hierarchical scale of teaching functions. He has contributed to the development of didactic papers, university textbooks and tutorials for applied papers.

From the point of view of managerial activity, starting with 2012, the candidate was Director of the Management Department. During the seven years of department coordination / management, the candidate was concerned with the development of strategic management elements (mission, objectives, strategies, policies, function states) and management of financial, human and material resources. The recorded results are appreciated at department level.

The presentation of the capacities and performances obtained in the candidate's research activity occupies most of the content of the habilitation thesis. Thus, in the introductory section, the author discusses the topics addressed and the results obtained during the 21 years, with reference to the list of bibliographical references. As can be expected from the title of the habilitation thesis, these topics are dedicated to entrepreneurship, education and sustainable management.

This habilitation thesis is structured on three major and topical directions in the literature:

1. Entrepreneurship and entrepreneurship education;
2. Microeconomic and macroeconomic influences at national and global level;
3. Education and Sustainable Development.

The **first part** of the paper presents the concept of entrepreneurship, its importance and its associated imperatives. Systematizing the main researches on entrepreneurial theories represents a first step, a first attempt to authorize the attempts to understand the mechanism, the capabilities and resources needed for its support and development. There are a number of studies on focused economies, transition economies and innovation-focused economies. In order to identify the level of innovation, we used the global innovation indicator that was calculated for Romania, Bulgaria, Hungary and Serbia. At the same time, facilitators, and actors for entrepreneurship: national, regional and global are presented. Corporate Social Responsibility (CSR) is an approach to entrepreneurship. In this context, there are presented a series of approaches that integrate CSR characteristics with respect to those of entrepreneurial models. As the educational approach is currently centered on the student, the research addresses the directions, objectives and motivating factors of the student-centered university education. Assessing the competitiveness of higher education is an important component of entrepreneurial education. A number of conditions are identified for increasing the competitiveness of Romanian higher education.

In the **second part** of the first section, the candidate addresses the attitude of active knowledge and its impact on entrepreneurial activity in Europe. Various literature reviews, assessments of entrepreneurial activity in Europe are presented. At the same time, an analysis of the business incubator in Romania is carried out with details, benefits, implications and developed opportunities.

Another direction addressed in this first section is assessments and analyzes of micro- and macroeconomic influences. These influences are directly tangential to the entrepreneurial domain. These influences help leaders and entrepreneurs in developing and conducting business activities, providing them with milestones in developing sustainable strategies.

The last direction addressed in this section is education and sustainable development. Sustainability is an intense direction addressed at national and international level. From the perspective of entrepreneurship, sustainable development is a challenge that most entrepreneurs are addressing. The candidate also addresses the importance of education in sustainable development. Closely related to education are business activities related to renewable energies, waste collection, loss reduction and other related approaches.

The results of the applicant's research and publication activity were presented in national and international academic and scientific events, through articles published in journals or conference papers volumes. The candidate has published 98 of articles. The distribution by category of publications of these papers is as follows:

- **4 in journals indexed in the Web of Science database (Clarivate Analytics);**
- **37 at international conferences indexed in the Web of Science database (Clarivate Analytics);**
- 17 in journals or volumes indexed in other international databases (BDI);
- 40 in non-indexed journals or volumes in BDI;

Also, the candidate is the author of 1 book at the international publishing house, 10 books at recognized national publishers and 9 teaching materials including electronic course / course support.

The **second part** of this section shows the development perspectives. These perspectives are presented in the three directions: didactic, research and administrative.

The **last part** of this section is covered by bibliographic references.