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SUMMARY OF HABILITATION THESIS

The representative research activity carried out after the public defense of the doctoral thesis (July 2017) and obtaining the title of doctor in the field of Environmental Engineering is presented in this habilitation thesis. Also for the postdoctoral period, the habilitation thesis also includes a synthesis of the professional results, as well as the prospects for the future development of the academic career and the future research topic.

The habilitation thesis entitled "Studies and researches in the field of protection of environmental factors" is structured to highlight the capacity for documentation, research and drawing up conclusions for articles validated and published in prestigious journals, as well as the capacity to identify and approach new research topics in the field of Environmental Engineering.

The habilitation thesis is structured in three chapters, respectively: Chapter 1 – Academic and professional results, Chapter 2 - The main scientific, professional and academic achievements, Chapter 3 – Proposal for the evolution and development of the professional, scientific and academic career.

In the first chapter, the bachelor's, master's and doctorate studies, the documentation and research internships, the didactic activity performed as a research assistant, lecturer and associate professor are briefly presented until the date of elaboration of the habilitation thesis.

In the second chapter, the main achievements in the research activity in the field of protection of environmental factors are presented. This chapter was structured along four directions. The first direction refers to fundamental and applied studies and research in the field of environmental protection, with a sub-chapter related to the environmental factor air and ambient noise, the

second and third directions refer to the environmental factors water and soil, and the fourth direction refers to other research results carried out in the field of Environmental Engineering.

The third chapter includes a proposal for evolution and development of the academic career and scientific research projects, with reference to: career evolution, professional development in the academic field and proposals for directions and scientific research themes for the future.

The summary of the research activity, activity validated by the journals and scientific events at which scientific papers were published or presented in the field of Environmental Engineering, until the preparation of the habilitation thesis is:

- 48 ISI articles (of which 11 before the defense of the doctoral thesis):
20 articles as main author/corresponding author;
- 10 articles published in BDI indexed journals;
- 15 articles published in the volumes of international conferences;
- 51 contracts (of which 26 before the defense of the doctoral thesis) for research with the economic environment, research projects/grants, development projects at national level (of which 2 as project director);

The visibility of research activity and recognition at the national and international level is supported by the Hirsch index: Scopus IS = 6, H-index Web of Science ISW = 5, h-index Google Academic IGS = 7 and a number of 170 citations (excluding self-citations).