

## **EXTERNAL PEER REVIEW REPORT**

on the Educational and Research Programme

**«Power Engineering, Electrical Engineering and Electrical Mechanics»**

(Third Cycle – PhD Level of Higher Education)

in the Field of Study **G3 «Electrical Engineering»**

**National University of Life and Environmental Sciences of Ukraine**

The sustainable use of resources constitutes a key priority within the national strategies of many countries worldwide. In the context of the ongoing energy crisis, strategic emergency action plans are being developed to ensure rapid and sustainable reductions in energy consumption. The effective operation of the electric power sector requires highly qualified professionals capable of implementing advanced technologies and managing energy efficiency in complex energy and industrial systems.

The Educational and Research Programme (PhD) **«Power Engineering, Electrical Engineering and Electrical Mechanics»** developed by the National University of Life and Environmental Sciences of Ukraine, defines clear objectives, a coherent subject area, and a well-structured sequence of courses. The programme specifies the scope of compulsory and elective components, teaching and assessment methods, intended learning outcomes and competencies, resource provision, doctoral assessment procedures, and internal quality assurance mechanisms. The programme is aligned with the **Qualifications Framework of the European Higher Education Area (QF-EHEA)**.

The programme structure and curriculum are logically organised and fully consistent with the stated learning outcomes and research objectives. This alignment ensures the achievement of the overarching goal of the programme, namely the training of highly qualified doctoral graduates capable of addressing complex research and applied challenges in electrical power engineering through the generation of original scientific results, culminating in the successful defence of a PhD dissertation.

The National University of Life and Environmental Sciences of Ukraine provides an appropriate institutional environment for the implementation of both the educational and research components of the PhD programme. In particular, the programme offers

opportunities for conducting high-quality research, dissemination and validation of research outcomes, and active integration of doctoral candidates into the international academic and research community.

The PhD programme includes **pedagogical training (teaching practice)** aimed at developing competencies required for future academic and teaching careers in higher education.

Overall, the reviewed PhD Educational and Research Programme «**Power Engineering, Electrical Engineering and Electrical Mechanics**» in the field of study **G3 «Electrical Engineering»** complies with contemporary European standards for doctoral education and adequately addresses current societal, scientific, and labour market needs.

### **Representative of senior management**

**Assoc. Prof. Dr. Marjana Šijanec Zavrl, Univ. Dipl. Civ. Eng.**

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