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ФИО: Ястребов Олег Александрович  
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**Federal State Autonomous Educational Institution of Higher Education "Peoples'  
Friendship University of Russia named after Patrice Lumumba"**

**Agrarian and Technological Institute**

(name of the main educational unit (MEU) – developer of the program)

**Department of Landscape Design and Sustainable Ecosystems**

(name of the basic educational unit (BEU) – developer of the program)

## SCIENTIFIC ACTIVITIES PLAN

Scientific specialty:

**1.5.15. Ecology**

(code and name of scientific specialty)

Practical training of students is carried out within the framework of the postgraduate program:

**Green infrastructure and sustainable development**

(name of the program for training scientific and scientific-pedagogical personnel)

### 1. THE PURPOSE OF CARRYING OUT SCIENTIFIC RESEARCH

The purpose of carrying out scientific research (implementing scientific activities) is to prepare a dissertation for the degree of candidate of science for defense.

### 2. PLANNED RESULTS OF SCIENTIFIC RESEARCH

The result of scientific research is the solution of a scientific problem that is significant for the development of the relevant branch of science, or the development of a new scientifically based technical, technological or other solution that is of significant importance for the development of the country.

### 3. SCOPE OF SCIENTIFIC RESEARCH

The total workload of scientific research is 210 credit units (7560 academic hours ).

### 4. STAGES OF IMPLEMENTING SCIENTIFIC RESEARCH

Stage name	Section content (topics, types of practical activities)	Labor intensity, ac . h.
1 year		
Scientific activity aimed at preparing a dissertation for defense	Discussion with the supervisor of the concept and approval of the topic of the dissertation research	1260
	Conducting a literature review to determine the degree to which the problem has been developed	
	Conducting scientific research (collecting data, conducting experiments/tests and processing their results)	
	Presentation of scientific research results	
Preparation of publications that present the main results of scientific research	Preparation of scientific articles for publication in peer-reviewed scientific journals	216
	Presentation at specialized scientific conferences/seminars, including preparation of materials (presentations and reports)	
	Preparation of applications for participation in the grant competition (optional)	
Interim assessment	Preparation of a report on the results of scientific research	72
	Presentation of a report on the results of scientific research at a department meeting	
2 year		
Scientific activity aimed at preparing a dissertation for defense	Conducting scientific research (collecting data, conducting experiments/tests and processing their results)	1620
	Presentation of scientific research results	
Preparation of publications that present the main results of scientific research	Preparation of scientific articles for publication in peer-reviewed scientific journals	216
	Presentation at specialized scientific conferences/seminars, including preparation of materials (presentations and reports)	
	Preparing applications for participation in the grant competition	
Interim assessment	Preparation of a report on the results of scientific research	72
	Presentation of a report on the results of scientific research at a department meeting	

3 year		
Scientific activity aimed at preparing a dissertation for defense	Conducting scientific research (collecting data, conducting experiments/tests and processing their results)	1872
	Presentation of scientific research results	
Preparation of publications that present the main results of scientific research	Preparation of scientific articles for publication in peer-reviewed scientific journals	216
	Presentation at specialized scientific conferences/seminars, including preparation of materials (presentations and reports)	
	Preparation of applications for patents for inventions, utility models, industrial designs, selection achievements (optional)	
Interim assessment	Preparation of a report on the results of scientific research	72
	Presentation of a report on the results of scientific research at a department meeting	
4 year		
Scientific activity aimed at preparing a dissertation for defense	Conducting scientific research (conducting experiments/tests and processing their results)	1656
	Design of dissertation research in accordance with the requirements of GOST R 7.0.11–2011	
Preparation of publications that present the main results of scientific research	Preparation of scientific articles for publication in peer-reviewed scientific journals	216
	Presentation at specialized scientific conferences/seminars, including preparation of materials (presentations and reports)	
	Preparation of applications for patents for inventions, utility models, industrial designs, selection achievements (optional)	
Interim assessment	Preparation of a report on the results of scientific research	72
	Presentation of a report on the results of scientific research at a department meeting	
Total labor intensity of scientific research:		7560

## **5. LOGISTIC AND TECHNICAL SUPPORT FOR IMPLEMENTING SCIENTIFIC RESEARCH**

To carry out scientific research, premises that meet labor protection requirements are required. The list of necessary material and technical support is determined individually depending on the focus of the postgraduate student's scientific research. To organize the independent work of the postgraduate student (preparation of publications, reports, data processing and preparation of the dissertation research), an auditorium equipped with a set of specialized furniture and computers with access to the EIS is required.

## **6. METHODS OF CONDUCTING SCIENTIFIC RESEARCH**

Scientific research can be conducted in structural divisions of RUDN or on the basis of other scientific, educational or industrial organizations.

Conducting scientific research on the basis of external organizations (outside RUDN) is carried out on the basis of relevant contracts or cooperation agreements.

The terms of scientific research correspond to the period specified in the academic calendar of the postgraduate program. The terms of practical training may be adjusted upon agreement with the Department of Higher Qualification Personnel Training.

## **7. EDUCATIONAL, METHODOLOGICAL AND INFORMATIONAL SUPPORT FOR THE IMPLEMENTATION OF SCIENTIFIC RESEARCH**

*Regulatory documents governing the process of preparation and defense of a dissertation:*

Federal Law of 23.08.1996 No. 127-FZ "On Science and State Scientific and Technical Policy". - Text: electronic // Official Internet portal of legal information: [site]. - URL: <http://pravo.gov.ru/proxy/ips/?docbody=&nd=102043112>

Resolution of the Government of the Russian Federation of September 24, 2013 No. 842 "On the procedure for awarding academic degrees." - Text: electronic // Official Internet portal of legal information: [site]. - URL: <http://pravo.gov.ru/proxy/ips/?docbody=&nd=102167993>

GOST R 7.0.11-2011 System of standards on information, librarianship and publishing. Dissertation and dissertation abstract. Structure and design rules. – M.: Standartinform , 2012. – 11 p.

*Resources of the information and telecommunications network "Internet":*

RUDN University Electronic Library System and third-party electronic library systems to which university students have access on the basis of concluded agreements:

- Electronic library system of RUDN: [site]. URL: <http://lib.rudn.ru/MegaPro/Web>
- Electronic library system "University Library Online": [website]. URL: <http://www.biblioclub.ru/>
- Educational platform " Urait " : [website ] . URL : <https://urait.ru/>
- Electronic Library System "Lan": [site]. URL : <https://e.lanbook.com/>
- Educational platform " Urait " : [website ] . URL : <https://urait.ru/>

*Databases and search engines:*

- Scientific electronic library "eLibrary.Ru": [site]. URL: <https://www.elibrary.ru/>
- Scientometric database " Scopus ": [site]. URL: <https://www.scopus.com/>
- Scientometric database "Web of Science": [site]. URL : <http://webofscience.com/>
- Electronic fund of legal and normative-technical information: [site]. URL : [https:// docs . cntd . ru /](https://docs.cntd.ru/)
- Search engine "Yandex": [site]. URL : [https:// yandex . ru /](https://yandex.ru/)
- Search engine « Google »: [site]. URL : [https:// www . google . com /](https://www.google.com/)

*Educational and methodological materials for carrying out scientific research:*

Guidelines for preparing dissertations and scientific publications.

## **8. EVALUATION MATERIALS AND SYSTEM OF EVALUATION OF STUDENTS BASED ON THE RESULTS OF COMPLETION OF SCIENTIFIC RESEARCH**

Based on the results of the stages of scientific research, the postgraduate student submits a detailed oral or written report to the scientific supervisor or to a department meeting. The report includes information characterizing the content of the postgraduate student's work and reflecting the implementation of scientific research.

The report must include information on:

- about the degree of readiness of the dissertation;
- on the preparation and publication of articles in journals included in the list of the Higher Attestation Commission, Russian Science Citation Index, Scopus , Web of Science and others equivalent to them and/or approved by the Academic Council of RUDN University;
- on the participation of a postgraduate student in scientific and technical events on the topic of his research;
- on participation in the research work of the department (with participation);
- other.

During the midterm assessment, the supervisor provides feedback on the quality, timeliness and success of the postgraduate student's performance of the stages of scientific activity.

The results of scientific research for each six months of study are determined by conducting an interim assessment with the assignment of grades of "excellent", "good", "satisfactory",

“unsatisfactory” and in the ECTS system (A, B, C, D, E) in accordance with the RUDN University scoring system.

**DEVELOPERS:**

Associate Professor of the Department of Landscape  
Design and Sustainable Ecosystems

V. I. Vasenev

**HEAD OF THE BUP**

Director of the Department of Landscape  
Design and Sustainable Ecosystems

E. A. Dovletyarova