

IHOR HONCHARENKO

Doctor of Biological Sciences (Sci.D.) | Lecturer | Leading Researcher | Data Analyst

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SUMMARY

Doctor of Biological Sciences with 20+ years of experience in scientific leadership, ecological monitoring, and university-level teaching. Expert in applied data analysis, combining deep domain knowledge with practical skills in R, SQL, and multivariate statistics to process complex biological and environmental datasets.

HARD SKILLS

Data Analytics & IT

R	SQL	VBA	Multivariate Statistical Analysis	Data Cleaning	Data Validation
Large Dataset Structuring	Excel	Google Sheets	MS Access	QGIS	

Domain Expertise

- Human Physiology & Health Sciences
- Sports Nutrition & Dietetics
- Ecology & Biodiversity Conservation
- Data Analytics & Applied Statistics

Academic & Teaching Experience

Curriculum Design	Academic Writing (Scopus/WoS)	Postgraduate Research Supervision
Course Development		

WORK EXPERIENCE

Professor | Department of Medical Biology and Sports Dietetics
National University of Physical Education and Sport of Ukraine

Head of Department | Environmental Monitoring Department

Institute for Evolutionary Ecology, National Academy of Sciences of Ukraine

Leading Researcher | Landscape Protection Department

Institute of Agroecology and Environmental Management, National Academy of Agrarian Sciences of Ukraine

PROFESSIONAL DEVELOPMENT & INTERNSHIPS

International Internship «Application of open data in scientific developments: methods and practical recommendations»

Baltic International Academy, Riga, Latvia | 2024

International Internship «World educational achievements in the fields of biology, geography, geology, ecology and chemistry»

Kujawy University, Wloclawek, Republic of Poland | 2024

Professional Development Course «Modern Peculiarities of Training Scientific and Pedagogical Staff to Work with War Veterans»

National University of Physical Education and Sport of Ukraine | 2024

EDUCATION & TRAINING

- **Data Analyst Program** | GoIT Tech School (Distance Learning) | 2025
- **Management Course** | "Uspikh" Training Center | 2008
- **English Language Course** | Taras Shevchenko National University of Kyiv | 2005
- **Specialist in Biology and Chemistry** | Sumy State Pedagogical University | 1992 – 1997

SCIENTIFIC DEGREES & TITLES

- **Professor** | Department of Medical Biology and Sports Dietetics | 2024
- **Doctor of Biological Sciences (Sci.D.)** | Institute of Botany, NAS of Ukraine | 2021
- **Associate Professor (Docent)** | Department of Botany | 2005
- **Candidate of Biological Sciences (PhD Equivalent)** | Institute of Botany, NAS of Ukraine | 2002

PROJECT EXPERIENCE

Impact of a Low-Carbohydrate Diet Combined with Fitness on Women's Physical Condition | 2026

Role: *Co-Researcher and Lead Data Analyst* / **Sector:** *Human Physiology & Fitness*

Conducted statistical evaluation of dietary and fitness interventions, assessing their effects on body weight, waist circumference, BMI, and other health indicators in women of different age groups.

Premium Subscription Conversion Optimization (A/B Testing) | 2025

Role: *Data Analyst* / **Sector:** *Business Analytics*

Designed and planned an A/B test to evaluate the impact of alternative subscription screen designs on premium subscription conversion in a mobile application. Defined hypotheses, selected business metrics, calculated sample size requirements, and developed a data-driven framework for decision-making based on test results.

Analysis of Thermophilous Oak Forests Along European Climate Gradients | 2020

Role: *Principal Investigator* / **Sector:** *Data Analytics & Mathematical Modeling*

Identified the leading climatic factors determining spatial patterns and variation in thermophilous forest diversity across the European climate gradient.

DRSA Cluster Analysis Method with Noise Filtering | 2015

Role: *Algorithm Author and Developer* / **Sector:** *Ecology*

Designed a novel clustering method for complex datasets with fuzzy structures and implemented it in VBA and R. Protected by a copyright certificate.

Plant Morphology and Anatomy – University Textbook | 2004

Role: *Author and Curriculum Developer* / **Sector:** *Higher Education*

Developed the curriculum and authored a textbook for undergraduate biology students. Approved by the Ministry of Education and Science of Ukraine for use in higher education institutions.

RESEARCH LEADERSHIP & FUNDED PROJECTS

Ecological Drivers of Biodiversity Conservation and Post-Industrial Landscape Dynamics (Project No. 0122U000470) | 2026

Role: *Principal Investigator and Project Lead*

Led and coordinated the research project, including study design, team management, and scientific supervision.

Current Status and Spatial Optimization of Shelterbelts in the Forest-Steppe Zone of Ukraine
(Project No. 0121U108851) | 2025

Role: *Lead Researcher and Data Analyst*

Led data collection, analysis, and interpretation related to the spatial structure and condition of shelterbelts under different climatic and soil conditions to improve agricultural sustainability and land management.

Influence of Endogenous and Exogenous Factors on Adaptive Responses to Physical Exercise of Different Intensities (Project No. 0121U108187) | 2024

Role: *Researcher and Data Analyst*

Analyzed the effects of plant adaptogens on physiological recovery following physical exercise. Demonstrated their potential to improve recovery quality and reduce recovery time in athletes.

PROFESSIONAL ACTIVITIES & HIGHLIGHTS

- **Course Developer:** Developed and taught the courses "Fundamentals of Biological Data Processing in R", "Environmental Modeling", "Modern IT in Research".
- **Publications:** Author of 131 scientific publications, including 4 monographs and 3 textbooks.
- **Metrics:** Google Scholar h-index: 13 (570+ citations) | Scopus h-index: 6

PROFESSIONAL PROFILES

Google Scholar: [View Profile](#)

Scopus: [View Profile](#)

Web of Science: [View Profile](#)

LANGUAGES

- **Ukrainian:** Native
 - **English:** Intermediate
 - **Russian:** Fluent
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Last updated: June 2026