



Name	Petro Kirienko
Position, Department/Faculty	Associate Professor, Department of Descriptive Geometry and Computer Modeling
Academic Degree, Academic Title	Candidate of Technical Sciences, Associate Professor
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Scopus Author ID:	https://www.scopus.com/authid/detail.uri?authoid=58618277300
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ResearchGate:	

EDUCATION:

Basic education (university, major, year of graduation):

M. Ye. Zhukovsky Kharkiv Aviation Institute (graduated in 1979) Major: Aircraft Manufacturing.

Postgraduate/Doctoral studies:

Ph.D. in Engineering (Candidate of Technical Sciences), 1997.

Additional training, certification programs:

Certificate of Advanced Training No. PK 02066769/001124–25, dated 28.03.2025 (6 credits / 180 hours).

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):

- Associate Professor (2002–Present)
- Chief Engineer (1999–2004)

RESEARCH ACTIVITIES:

Main Research Areas:

- Water purification from oil products and heavy metals;
- Development of water purification devices;
- Autonomous domestic wastewater treatment systems;
- Production of fuel briquettes from renewable energy sources;
- Ecology and environmental protection.

Monographs, Textbooks:

1. Kyriienko, P. H., Betin, O. V., Msallam, K. P., Makarenko, D. M., & Pushkarova, L. P. (2022). Ecological Passport of an Enterprise: study guide. Kharkiv: National Aerospace University "M. Ye.



Zhukovsky Kharkiv Aviation Institute". 128 p.

2. Betin, O. V., Buhaienko, O. M., Kyriienko, P. H., & Kalhan, I. Ye. (2021). Soil Science: study guide. Kharkiv: National Aerospace University "M. Ye. Zhukovsky Kharkiv Aviation Institute". 208 p.

Participation in Scientific Conferences:

1. Betin, O.V., Kyriienko, P.G., Betin, D.O., Betina, O.Y. (2024). "Parameters and Characteristics of Parachute Systems for Physical Modelling Precision Airborne Cargo Landing." In: Nechyporuk, M., Pavlikov, V., Krytskyi, D. (eds) Integrated Computer Technologies in Mechanical Engineering - 2023. ICTM 2023. Lecture Notes in Networks and Systems, vol 1008. Springer, Cham.

2. Betin, O.V., Kyriienko, P.G., Betin, D.O., Betina, O.Y. (2022). "Theoretical Foundations of Physical Modeling of the Descent and Landing Process of Controlled Precision Airborne Cargo Landing Systems." In: Nechyporuk, M., Pavlikov, V., Kritskiy, D. (eds) Integrated Computer Technologies in Mechanical Engineering - 2022 (pp 39–50). ICTM 2022. Lecture Notes in Networks and Systems, vol 657. Springer, Cham.

3. Kyriienko, P. H., Betin, O. V., & Akchurina, S. R. (2021). "Wastewater treatment from oil products." In: Abstracts of the International Scientific-Technical Conference "Problems of creation and life cycle support of aviation equipment" (p. 48). Kharkiv: National Aerospace University "Kharkiv Aviation Institute".

TEACHING ACTIVITIES:

Methodological Materials, Textbooks:

1. Kyriienko, P. H., Betin, O. V., Msallam, K. P., Makarenko, D. M., & Pushkarova, L. P. (2022). Ecological Passport of an Enterprise: study guide. Kharkiv: National Aerospace University "M. Ye. Zhukovsky Kharkiv Aviation Institute". 128 p.

2. Betin, O. V., Buhaienko, O. M., Kyriienko, P. H., & Kalhan, I. Ye. (2021). Soil Science: study guide. Kharkiv: National Aerospace University "M. Ye. Zhukovsky Kharkiv Aviation Institute". 208 p.

PROFESSIONAL ACHIEVEMENTS AND AWARDS:

Membership in Professional Associations:

All-Ukrainian Ecological League (Membership ID No. 5710)

