



Name	Tetyana Nabokina
Position, Department/Faculty	Associate professor (Docent), Department of rocket design and engineering National Aerospace University/ Faculty of Rocket and Space Engineering
Academic Degree, Academic Title	Candidate of Technical Sciences, Docent
Email:	t.nabokina@khai.edu
Scopus Author ID:	57210361761
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ResearchGate:	https://www.researchgate.net/profile/Tetyana-Nabokina

EDUCATION:

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

Specialist, National Aerospace University “Kharkiv Aviation Institute”, Specialty: Safety of Human Life and Activity, 2001

Postgraduate/Doctoral studies:

PhD in Material Science, National Aerospace University “Kharkiv Aviation Institute”, 2013

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):

National Aerospace University “Kharkiv Aviation Institute”, Faculty of Rocket and Space Engineering Department of rocket design and engineering, (2013-2023), Associate professor (Docent)

Experience in International or National Projects:

Scientific foundations of aerospace engineering: optimal design and modeling the mechanical, thermo-, and gas-dynamic processes in heat engines and impulse thermal machines”
(No. 0221U100710)

RESEARCH ACTIVITIES:

Main Research Areas:

Utilization of aerospace systems, Cutting of metal by supersonic high-temperature gas streams with unhardening effect

Number of Publications (Scopus, WoS, others):

Scopus 38, WoS 11





Monographs, Textbooks:

Textbooks 7

Participation in Scientific Conferences:

Integrated Computer Technologies in Mechanical Engineering,
Conference on Advances in Mechanical and Power Engineering,
Smart Technologies in Urban Engineering,
International Conference on Advances in Civil Engineering for Sustainable Development,
Mathematical Modeling and Simulation of Systems,
International Conference on Energy Smart Systems,
Grabchenko's International Conference on Advanced Manufacturing Processes,
International Conference on Design, Simulation and Manufacturing: The Innovation Exchange,
Conference Series: Materials Science and Engineering,
International Conference on Materials and Coatings in Extreme Conditions: Research, Application,
Environmentally Friendly Technologies,
European Conference for Aeronautics and Aerospace Sciences

TEACHING ACTIVITIES:

Methodological Materials, Textbooks:

1. Основи надійності конструкцій літальних апаратів: навч. посіб. / Т.П. Набокіна, А.В. Кондратьєв, В.І. Парасюк. – Харків: Нац. аерокосм. ун-т ім. М. Є. Жуковського «Харк. авіац. ін-т», 2021. – 112 с. ISBN 978-966-662-812-4

<http://library.khai.edu/library/fulltexts/2021/complex/Osnovy%20nadiynosti%20konstruktsiy%20litalnykh%20aparativ.pdf>

2. Науково-дослідна робота студентів у ракетно-космічній галузі [Текст] : консп. лекцій / В. Є. Гайдачук, А. В. Кондратьєв, Т. П. Набокіна – Харків: Нац. аерокосм. ун-т ім. М. Є. Жуковського «Харків. авіац. ін-т», 2020. – 104 с. ISBN 978-966-662-731-8

http://library.khai.edu/library/fulltexts/metod/Gajdachuk_Naukovo_Doslidna.pdf

3. Авиационное артиллерийское вооружение [Электронный ресурс]: учеб. пособие / А.В. Кондратьев, Р.В. Атаманчук, Т.П. Набокина. – Харьков. – Нац. аэрокосм. ун-т им. Н.Е. Жуковского «Харьк. авиаци. ин-т», 2019. – 120 с. Режим доступа: http://library.khai.edu/library/fulltexts/metod/Kondratyev_Aviatsionnoye_Artilleriyskoye_Vooruzheniye.pdf

INTERNATIONAL ACTIVITIES:

Internships:

Varna Free University "Chernorizets Hrabar", Republic of Bulgaria (2021),
Technical University of Košice, Slovakia (2020)

SELECTED PUBLICATIONS:

Key Articles (Scopus, WoS, others):

1. Nabokina, T., Bach, C. (2025) Assessing the Applicability of Terrestrial Recycling Fragmentation



Technologies in Lunar Conditions: A Review. In: Lytvynov, O., Pavlikov, V., Krytskyi, D. (eds) Integrated Computer Technologies in Mechanical Engineering - 2024. ICTM 2024. Lecture Notes in Networks and Systems, vol 1474. Springer, Cham. https://doi.org/10.1007/978-3-031-94852-7_21 (Scopus Q4)

2. Nabokina, T., Bach, C. (2025) Modeling the impact of a supersonic hot gas jet on aluminum sheets for recycling fragmentation. In: Proceedings of the 11th European Conference for Aeronautics and Aerospace Sciences (EUCASS 2025).

3. Kučera P., Kondratiev A., Pištěk V., Taranenko I., Nabokina T., Kaplan Z. (2023) Thin-walled open-profile composite beams under thermo-mechanical loading, Composite Structures. Vol. 312, 116844, <https://doi.org/10.1016/j.compstruct.2023.116844> (Scopus Q1, WoS Q1)

4. Kondratiev A., Pištěk V., Gajdachuk V., Kharchenko M., Nabokina T., Kučera P., Kučera O. (2023) Effect of Ply Orientation on the Mechanical Performance of Carbon Fibre Honeycomb Cores // Polymers. Vol. 15. – 2503. <https://doi.org/10.3390/polym15112503> (Scopus Q1, WoS Q1)

5. Kondratiev A., Gaidachuk V., Nabokina T., Kovalenko V. (2019) Determination of the influence of deflections in the thickness of a composite material on its physical and mechanical properties with a local damage to its wholeness. Eastern-European Journal of Enterprise Technologies. Vol. 4, No. 1 (100). P. 6 – 13. <https://doi.org/10.15587/1729-4061.2019.174025> (Scopus Q2)

6. Kondratiev A., Nabokina T. (2019) Effect of technological camber in the facets of a cellular filler on its physical and mechanical characteristics. Eastern-European Journal of Enterprise Technologies. Vol. 5, No. 7 (101). P. 6 – 18. <https://doi.org/10.15587/1729-4061.2019.179258> (Scopus Q2)

Books, Chapters in Collective Monographs:

1. Kondratiev A., Nabokina T. Formation of the International Intellectual Corporation of the Department of Rocket Design and Engineering of National Aerospace University Kharkiv Aviation Institute // Association agreement: driving, international changes: monograph. – Accent graphics communications & publishing: Ottawa, 2020. – Vol. 3. – P. 297 – 308. ISBN 978-1-77192-537-2 https://www.researchgate.net/publication/340721062_Formation_of_the_International_Intellectual_Corporation_of_the_Department_of_Rocket_Design_and_Engineering_of_National_Aerospace_University_Kharkiv_Aviation_Institute

2. Dveirin O., Nabokina T., Kivirenko O., Kondratiev A., Kuleba O. Anisotropy of composite shearing strength in the mechanical joints // Materials Science Forum. 2024. Vol. 1126. P. 49 – 60. <https://doi.org/10.4028/p-0TsDmP>

3. Kondratiev A., Gaidachuk O., Nabokina T., Shapoval S., Semkiv O. Optimal Process Parameters of the Binder to Reduce Air Pollution and to Improve the Emission Effect from Composite Production // Materials Science Forum. 2023. Vol. 1096. P. 109 – 120. <https://doi.org/10.4028/p-L5EcYI>

4. Kondratiev A., Kochanov V., Yuresko T., Tsaritsynskyi A., Nabokina T. Durability of acrylic products during heat aging // Solid State Phenomena. – 2022. – Vol. 334. – P. 145 – 153. <https://doi.org/10.4028/p-8qo1zu>

5. Dveirin O., Tsaritsynskyi A., Nabokina T., Kondratiev A. Compliance of fasteners in metal-composite joints // Solid State Phenomena. – 2022. – Vol. 334. – P. 162 – 172. <https://doi.org/10.4028/p-4637ix>

Links to Citation Database Profiles:

[Scopus](#)

[WoS](#)

[Scholar Google](#)





ADDITIONAL INFORMATION:

Language Proficiency:

Ukrainian: fluent

Russian: fluent

English: B2

German: B2



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