

Anatolii Bielikov

Date of birth: 01.10.1946

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ACADEMIC BACKGROUND

Prydniprovsk State Academy of Civil Engineering and Architecture, Dnipropetrovsk, Ukraine

Doctor of Science thesis – «Decreasing flammability and increasing fire resistance due to the use of fire-resistant coatings (on the example of coal industry enterprises) ». **Manuscript, 2001.** Thesis for the scientific degree of Doctor (Dr. Sc. (Tech.)) of Technical Sciences in specialty 21.06.02 – Fire Security (26 – Civil Safety).

Dnipropetrovsk Institute of Civil Engineering, Dnipropetrovsk, USSR

PhD thesis– «Development and research of expanding plugging materials for cementing wells». **Manuscript, 1982.** Thesis for the scientific degree of Candidate (Ph.D.) of Technical Sciences in specialty 05.15.06 – Development of oil and gas fields (18 – Production and technologies).

Under his leadership, a **scientific school** was created: «Safety of objects in the event of emergency situations. Occupational safety and health in various spheres of life».

WORK EXPERIENCE

Dnipropetrovsk Research Institute of Forensic Expertise of the Ministry of Justice of Ukraine, Dnipro
Judicial expert **2010 – present**

Prydniprovsk State Academy of Civil Engineering and Architecture, (PSACEA), Dnipro
Head of the Department «Life Safety » **2003 – present**

Prydniprovsk State Academy of Civil Engineering and Architecture, (PSACEA), Dnipro
Professor **2003 – present**

Dnipropetrovsk Institute of Civil Engineering, Dnipropetrovsk, USSR
Associate Professor **1983 – 2002**

Dnipropetrovsk Institute of Civil Engineering, Dnipropetrovsk, USSR
Senior engineer **1979 – 1982**
of Scientific Research Department
of the Dnipropetrovsk Institute of Civil Engineering

PROFESSIONAL EXPERIENCE:

- Member of the specialized academic council for the defense of doctoral dissertations on labor protection at the Dnipro State Academy of Construction and Architecture.
- Member of the specialized academic council for the defense of doctoral dissertations on labor protection at Kryvyi Rih National University.
- Head of scientific and technical work «Safety in various spheres of human activity and labor protection», state registration number 0120U105444, registration date 12.14.2020.
- Head of scientific and technical work «Labor protection, industrial, civil and environmental safety in various spheres of human activity», registration date 15.12.2023.
- Since 2017 responsible editor, member of the editorial board for the collection «Construction, materials science, mechanical engineering: coll. of science works DVNZ». Prydnipr. state Academy of Building and Architecture. – Series: Life Safety.
- Since 2017 member of the editorial board in the direction of the collection «Construction, materials science, mechanical engineering: coll. of science works DVNZ». Prydnipr. state Academy of Construction and Architecture. Series: Energy, ecology, computer technologies in construction.
- From 2021 member of the editorial board of the scientific and practical journal «Ukrainian Journal of Construction and Architecture».
- Member of the industry expert council of the National Agency for Quality Assurance of Higher Education in the field of knowledge 26 «Civil Security», specialty 263 «Civil Security».
- from 09.11.2006, active member (academician) of the Academy, doctor of technical sciences, prof. Belikov A.S. is an expert of the Moscow State Railways and is authorized to conduct an independent examination on issues of life safety. Specialization: labor protection in construction, industrial safety (registration number No. 11-06 dated November 9, 2006).
- since March 20, 2009, a forensic expert with the right to conduct construction and technical examinations in specialty 10.6 – research of real estate objects, building materials, structures and relevant documents (certificate No. 1322).
- since April 2, 2009, a forensic expert with the right to conduct engineering and technical examinations in specialty 10.5 – research into the causes and consequences of violations of life safety and occupational health and safety requirements; 10.8 – investigation of the circumstances of the occurrence and spread of fires and compliance with fire safety requirements (certificate No. 832).
- Judge of the Tribunal (certificate No. 01020) All-Ukrainian Public Legal and Environmental Protection Organization.

SCIENTIFIC POTENTIAL

- **More than 600 scientific works** have been published, including **30 textbooks and manuals** with the seal of the Ministry of Education and Culture of Ukraine, **8 monographs**, scientific articles in the scientometric databases **Web of Science and Scopus**, in specialized publications of the Ministry of Education and Culture of Ukraine and others, **125 publications in international publications**.
- Received **more than 70 copyright certificates and patents** for inventions.
- **30 candidates** of technical sciences, **2 doctors of philosophy** and **4 doctors of technical sciences** were trained.

SCIENTIFIC CONSULTING:

- Training and methodical center of civil protection and life safety of Dnipropetrovsk region.
- Dnipropetrovsk Research Institute of Forensic Experts of the Ministry of Justice of Ukraine.
- research LLC «MODIFIK».
- limited liability company «TMD GROUP».
- Institute of Public Administration and Scientific Research on Civil Protection.

SCIENTIFIC RESEARCH INTERESTS:

- Assessment of the fire hazard of objects and the consequences of fires in buildings and structures.
- Reducing the flammability and increasing the fire resistance of building structures due to the use of fire-resistant coatings.
- Increasing the radiation quality of residential buildings and ways to achieve it.
- Safety during the performance of special construction works by installers of high-rise buildings.
- Increasing safety during emergency rescue operations in extreme situations.
- Assessment of life safety in the event of extreme conditions (fire, accidents, natural disasters).
- Prevention of injuries and occupational diseases in production conditions.
- Life safety in conditions of negative influence (noise, radiation, infrared radiation).
- Risk assessment and development of effective measures in conditions of radiation danger in the territory of the former uranium production «Radon».
- Conducting forensic technical examinations in the event of emergency situations at the facilities.

MEMBERSHIP IN PROFESSIONAL AND HONORARY SOCIETIES

Valid member of:

- the International Academy of Environmental Sciences and Life Safety;
- the International Academy of Sciences of Non-Traditional Technologies;
- the International Academy of Life Safety;
- the Academy of Construction of Ukraine;
- corresponding member of the International Academy of Engineering;
- member of the industry expert council of National Agency for Higher Education Quality Assurance (Ukraine) – NAHEQA;
- forensic expert of the Ministry of Justice of Ukraine;
- judge of the Tribunal. All-Ukrainian public environmental protection organization.

HONORS AND AWARDS:

- Honored Worker of Science and Technology of Ukraine.
- Honorable mention of the Ministry of Emergency Situations of Ukraine.
- Commemorative medal «For services to the city».
- Badge of Derzhirpromnaglyad of Ukraine «For valorous service» of the 2nd degree.
- Honorary certificate of the Ministry of Science and Education of Ukraine.
- «Education Excellence» of the Ministry of Education, Science, Youth and Sports of Ukraine.
- Honorable mention in honor of the 225th anniversary of the city of Dnipropetrovsk.
- Honorary award «For Merit» Fire Safety Academy named after Heroes of Chernobyl.
- Jubilee medal of DVNZ «Prydniprovsk State Academy of Construction and Architecture – 85 years».
- Honorable mention «For Merit» before the Dnipro State Academy of Construction and Architecture.
- «Big silver medal» to the winner of the competition for the best published work in the field of construction science of the Academy of Construction of Ukraine.
- Badge of honor of the National University of Civil Defense of Ukraine.
- Medal «For significant contribution to the development of education and science».
- Badge «Trade union branch award».
- Order «Petro Sahaidachnyi».
- Silver medal of the laureate of the II All-Ukrainian Award «Education Workers of Ukraine».
- Badge «Inventor of the USSR» and silver medal of Exhibition of Achievements of the National Economy (EANE).

PROFESSIONAL PROFILE:

<https://www.scopus.com/authid/detail.uri?authorId=57211914449&eid=2-s2.0-85075345770>
<https://scholar.google.com.ua/citations?hl=ru&user=T5EFcbAAAAAJ>
<https://orcid.org/0000-0001-5822-9682>
<https://www.webofscience.com/wos/author/record/2220023>

LINGUISTIC COMPETENCIES

- Ukrainian (native speaker)
- Russian (proficiency)
- Deutsch (intermediate)

PUBLICATIONS (SELECTED PAPERS AND PATENTS):

1. Belikov A.S., Shatov S.V., Ulitina M.Yu., Golender V.A. // Equipment for dismantling damaged building structures // Utility model patent No. 118889 Ukraine IPC B60R 1/54 (2006.01) – u 2017 03387; Application 04/07/2017; Publ. 28.08.2017.
2. Belikov A.S., Senchikhin Yu.M., Ulitina M.Yu., Golender V.A., Senchikhin M.V., Shalomov V.A. // Unconventional lifting and transport machine // Utility model patent No. 119704/ZU/17 Ukraine IPC B66F11/04 (2006.01) – u 2017 01582; Application 20.02.2017; Publ. 10.10.2017.
3. Belikov A.S., Shatov S.V., Ulitina M.Yu., Golender V.A., Shalomov V.A. // Elevator for eliminating the consequences of emergency situations // Utility model patent No. 121392/ZU/14 Ukraine IPC V66S 23/00 (2017.01) – u 2017 03217; Application 04/04/2017; Publ. 11.12.2017.
4. Belikov A.S., Golender V.A., Ulitina M.Yu., Shatov S.V., Senchikhin Yu.M., Senchikhin M.V. // Special lifting and transport machine // Utility model patent No. 122798/ZU/18 Ukraine IPC A62B1/02 (2006.01) – u 2017 08027; Application 01.08.2017; Publ. 25.01.2018.
5. Belikov, A.S., Mamontov, O.V., Nevlyudov, I.Sh., Stytsenko, T.E., Malik, B.O., and Tokareva, O.V./ Method for detecting leaky fuel cells/ Utility Model Patent No. 145583/ ZU/14 Ukraine IPC G21C 17/07 (2006.01) – u 2020 04027; Application 07/03/2020; Publ. 28.12.2020
6. Improvement of the method of calculating a group of sound-insulating panels // A. Belikov, O. Mamontov, R. Papirnyk, T. Stytsenko, K. Ostapov, V. Shalomov, S. Ragimov, A. Melnichenko/ Eastern – European Journal of Enterprise Technologies vol. 6/10 (102) 2019 pp. 55-60. doi.org/10.15587/1729-4061.2019.185860
7. Nalisko M.M., Belikov A.S., Maladyka L.V., Bartashevskaya L.I. Management of propagation of shock air waves in underground structures // Collection of research papers of NSU. - Dnipro: National TU « Dnipro Polytechnic», 2021 – No. 67. – P. 112-124.
<https://doi.org/10.33271/crpnmu/67.112>
8. On the issue of noise pollution assessment of main streets / Belikov A.S., Sankov P.M., Shalomov V.A., Dzyuban O.V. // Ukrainian journal of construction and architecture. – Dnipro: PDABA, 2022. - No. 5 (011). – P. 21-26. DOI: 10.30838/J.BPSACEA.2312.251022.21.887
9. Increasing the safety of rolling stock due to a risk-oriented approach to «friction management» in the «wheel-rail» friction pair / Belikov A.S., Matsuk Z.M., Shalomov V.A., V.V. Kharchenko // Railway transport of Ukraine, 2023, No. 3. pp. 23-36
10. Pylypenko O.V., Belikov A.S., Rahimov S.Yu., Andreeva A.V., Sankov P.M. / Monitoring of the territories of industrial sites of radiation-hazardous objects using small remotely controlled ground devices / The 11th International scientific and practical conference «Problems of the development of science and the view of society» (March 21 – 24, 2023) Graz, Austria. International Science Group. 2023. 411-421 p. / DOI – 10.46299/ISG.2023.1.11

BOOKS:

1. Belykov A.S., Krikunov G.N., Zalunyn V.F. / Safety of life activity ch. 1, 2 // Dnipropetrovsk, «Thresholds», 1992. – 412 p.
 2. Belykov A.S., Krikunov G.N., Zalunyn V.F. / Safety of life activity part 3 // Dnipropetrovsk, UKO IMA press, 1995. – 195 p.
 3. Belykov A.S., Kasyan A.N., Dmytriuk S.P., Ustimovych L.D. etc. / Fundamentals of protection Labor // Textbook «Basic labor protection», Dnsk, Zhurfond, 2007. – 494 p.
 4. Zaprudin V.F., Belykov A.S., Pylypenko A.V. etc. Radiation safety passed in consideration of innovations directed in construction: Textbook for students of higher educational institutions. Dnipropetrovsk: Balance - club, 2009. – 351 p. (the MONU vulture).
 5. Belikov A.S., Shevyakov O.V., Shalomov V.A. etc. Ergonomics in construction : Textbook, Dnipropetrovsk: IMA - press, 2009. – 208 p. (the MONU vulture).
 6. Belykov A.S., Kozhushko A.P., Safonov V.V. etc. Labor protection at enterprises construction industry. Textbook for students of higher educational institutions. Dnipropetrovsk: LLC «Fedorchenko A. A.», 2010. – 528 p. (the MONU vulture).
 7. Belikov A.S., Kozhushko A.P., Safonov V.V. etc. «Engineering solutions for protection labor decisions on labor protection». Study guide: K.: Osnova, 2011. – 480 p. (the MONU vulture).
 8. Belykov A.S., Kalda G.S., Pylypenko A.V. etc. Radiation safety built and built taking into account innovative directions in construction Textbook for students of higher educational institutions. Dnipropetrovsk: «T.K. Serednyak», 2013. – 367 p. (the MONU vulture).
 9. Kalda G.S., Shevelya V.V., Belikov A.S. etc. Protection against radioactive and electromagnetic radiation. Tutorial. KamianetsPodilskyi: FOP Sisyn Y.I., 2013. – 448 p. (the MONU vulture).
 10. Belikov A.S., Safonov V.V., Godyaev S.G., Levchenko A.I. etc. / Labor protection in agro-industrial complex of Ukraine // Handbook for higher educational institutions Ukraine III-IV accreditation level - Cherkasy: Yu.A. Chabanenko publisher, 2014. – 646 p.
 11. Engineering and technical expertise on occupational health and safety life activity: textbook / A.S. Belykov, V.V. Safonov, E.V. Rabych [and others]; under community ed. A.S. Belykova. - Dnipropetrovsk: Serednyak T.K., 2015. – 438 p.
 12. Belikov A. S., Bolibrukh B. V. Shalomov V. A. and others. / Fundamentals of labor protection / under general ed. Prof. Belikova A. S. 2nd ed. – Dnipro: PP "Kulik V.V.", 2019. – 452 p.
 13. Belikov A.S., Pylypenko O.V., Bolibrukh B.V., and others. / Fire safety // Textbook. - Dnipro: Zhurfond, 2019. – 508 p.
 14. Safonov V.V., Belikov A.S., Papirnyk R.B. etc., Engineering solutions for labor protection in the development of diploma projects of engineering and construction specialties / S.V. Ivantsov, L.M. Didenko, O.V. Pylypenko, O.O. Lapshin, E.V. Doronin, S. Shatov .V., Shalomov V.A. // Dnipro: Zhurfond, 2020. – 366 p.
 15. Belikov A.S., Kovalenko, R.B. Papirnyk, T.V. Bunko, I.A. Sokolov, V.V. Kharchenko, O.V. Dzyuban, M.M. Nalisko, I.M. Matyushenko, O.A. Nesin / «Fire technical expertise»: textbook/ Under the general editorship of Worker of science and technology of Ukraine, doctor of technical sciences, prof. A.S. Belikova. – Dnipro: Zhurfond, 2020. – 260 p.
 16. A.S. Belikov, V.A. Shalomov, A.A. Kulbach et al. / Ergonomics in construction: a textbook / Under the general editorship of Worker of science and technology of Ukraine, doctor of technical sciences, prof. A.S. Belikova. – Dnipro: Zhurfond, 2022. – 219 p.
- Monographs:*
17. A.S. Belikov, O.V. Kovalenko, V.A. Shalomov et al. / Fundamentals of electrotechnical expertise / under general ed. adv. scientist and technology worker of Ukraine, doctor of technical sciences, prof. A.S. Belikova. - Dnipro: Zhurfond, 2022. – 390 p.
 18. Belikov A. S., Shalomov V. A., Andronov V. A., Kharchenko V. V., Dzyuban O. V., Klymenko G. O. Forensic engineering and technical expertise on life safety and occupational health and safety taking into account ergonomic components. Dnipro: Zhurfond, 2023. – 164 p.