

PROFESSIONAL CV – SERHIY GAYDA, DSc, Professor

(International Academic & Research Format — 2025)



PERSONAL INFORMATION

Serhiy Gayda, DSc

Professor, Department of Furniture Production Techniques and Wood Products Technology
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Date of Birth: 27 March 1966

Languages: Ukrainian (native), Polish (fluent), English (basic)

RESEARCH PROFILES

- [Scopus ID: 57221587964](#)
- [Web of Science ResearcherID: ABB-1636-2021](#)
- [ORCID: 0000-0001-7468-5661](#)
- [Google Scholar: PRJAukgAAAAJ](#)
- [ResearchGate: profile/Sv-Gayda](#)
- [SciProfiles: 4927422](#)

ACADEMIC QUALIFICATIONS

Doctor of Engineering Sciences (DSc)

Woodworking Technology, Furniture and Wood Products Manufacturing

Ukrainian National Forestry University, 2019

Dissertation: *Scientific and technical basis of post-consumer wood use in woodworking*

Candidate of Engineering Sciences (PhD)

Ukrainian State Forestry University, 1994

Dissertation: *Technology for the use of stump-and-root wood in wood particle boards*

Master of Industrial and Civil Engineering

Lviv Polytechnic National University, 2024

Industrial Engineer (Technologist)

Lviv Forestry Institute, 1990

ACADEMIC TITLES

- **Professor**, 2021–present
- **Associate Professor**, 2000–2021

HONORS & AWARDS

- **Honorary Certificate**, National Forestry University of Ukraine (2016)
- **Gratitude Award**, Ministry of Education and Science of Ukraine (2024)
- **Academician**, Forestry Academy of Sciences of Ukraine (2025–present)
- **Academician**, Academy of Technical Sciences of Ukraine (2025–present)

PROFESSIONAL EXPERIENCE (30+ YEARS)

Professor, UNFU (2021–present)

Associate Professor, UNFU (2000–2021)

Senior Lecturer, UNFU (1999–2000)

Assistant Lecturer, UNFU (1995–1999)

Teaching portfolio includes 30+ academic courses across Bachelor, Master, and PhD levels, covering:

- Wood products design
- Furniture technology
- Recycling of wooden products
- Circular economy in the forest sector
- Industry 5.0/4.0 processes
- Construction technologies
- Innovative environmentally safe technologies
- Personnel management
- Post-consumer wood utilization

Supervision:

- 70+ Master's theses
- 250+ diploma projects
- PhD/Postgraduate supervision (multiple candidates)

KEY ACADEMIC ROLES

- Scientific Secretary, UNFU Methodical Board (2001–present)
- Executive Editor, *Forestry, Forest, Paper and Woodworking Industry* (since 2007)
- Member, Technical Standardization Committee TC 151 “Furniture” (since 2021)
- Developer of Ukrainian educational standards in specialty G14 “Woodworking and Furniture Technology”
- Guarantor of accreditation for specialty G19 “Wood Construction Technologies”

RESEARCH INTERESTS

Leading expert in:

- Post-consumer wood (PCW): classification, recycling technologies, circular economy
- Waste wood processing and resource-efficient technologies
- Bioenergy and fuel pellets from wood waste
- Flexible and automated woodworking production (Industry 4.0/5.0)
- Strength, shape stability, and durability of wooden structures
- Furniture engineering, joinery technologies, MDF/particleboard materials
- Mathematical modeling of wood products (strength, stability, productivity)

MAJOR INTERNATIONAL PROJECTS

Horizon Europe (2022–2027)

CircHive – Biodiversity & Natural Capital Accounting

Role: Researcher, expert in circular bioeconomy

POWER4BIO (2018–2021)

EU International Project — Bioeconomy Strategy for Lviv Region

Swiss–Ukrainian Research Program (2017–2020)

“Green Energy Options” — Carpathians

FP7-INCO “RERAM” (2014–2016)

Resource efficiency in woodworking sector

ISO/NP 17300-1 (2013)

International Standard Draft: *Wood residue and post-consumer wood – Classification*

SCIENTIFIC OUTPUT

400+ scientific publications (1992–2025)

Including:

- 20+ books, lecture notes, monographs
- 200+ peer-reviewed articles
- 150+ conference contributions
- 4 utility model patents in woodworking technologies (2015)

Selected publications (recent & high-impact)

(Full list in the source document — can generate a formatted list for Scopus, ORCID, CV annex, Google Scholar, etc.)

- **2025:** Dynamics of wood harvesting industry in circular economy
- **2024:** Mathematical models of strength of PCW blockboards
- **2023:** Circularity indicators in forest sector
- **2020:** Needle-milling cleaning of PCW (EEJET, Q2)
- **2023:** PCW mechanical properties, *Drewno* (Scopus Q2)
- **2022:** Structure of stumpwood, *Folia Forestalia Polonica* (Scopus Q1/Q2)

PATENTS

- 4 patents on technologies for manufacturing particleboards from post-consumer wood (2015), covering:
 - Mixed PCW
 - Solid wood PCW
 - Planed PCW
 - PCW-based PB/MDF blends

CONFERENCES (SELECTED 2024–2025)

- All-Ukrainian Scientific & Practical Conference (Kharkiv)
- XIV International Scientific Conference (Chernihiv)
- UNFU Annual Scientific Conference
- International Woodworking Symposia

Projects include:

- Strength analysis of used-wood joinery boards
- Circular economy implementation in forest sector
- Mathematical modeling for wood product strength
- Surface cleaning technologies for PCW

CORE COMPETENCIES

- Wood materials science & engineering
- Circular economy & sustainability
- PCW recycling technologies
- Furniture production & process engineering

- Mathematical modeling (FEM, structural models)
- Standardization & quality assessment
- Academic leadership and curriculum development
- Bioenergy and wood waste valorization

SUMMARY STATEMENT

Professor Serhiy Hayda is one of Ukraine's leading experts in **post-consumer wood recycling, furniture technology, and circular economy in the forest sector**, with **30+ years of academic experience**, 400+ publications, international project participation (Horizon Europe, FP7), and recognized academic status as **Academician of FASU and ATSU**. His research significantly contributes to sustainable forestry, resource-efficient manufacturing, and innovations in wood products engineering.

SCIENTIFIC PUBLICATIONS

Full list includes more than 400 (since 1992) scientific publications (books, lecture notes, brochures and chapters, papers in peer-reviewed journals, conference thesis and articles, patents)

BOOKS, LECTURE NOTES, BROCHURES AND CHAPTERS

- **Gayda S.V.** (2025): Surface roughness of wood. Lecture notes. - Lviv: UNFU. - 52 p.
- **Gayda S.V.** (2025): Options for choosing tasks for performing calculation work on the course "Design of wood products" for students of specialty 187 "Woodworking and furniture technologies") / Methodological guidelines. - Lviv: UNFU. - 24 p.
- **Gayda S.V.** (2025): Ergonomic foundations of designing wood products (functional dimensions for product elements) // Lecture notes with practical recommendations. - Lviv: UNFU. - 59 p.
- **Gayda S.V.** (2025): Connection of elements in wood products // Lecture notes with practical recommendations. - Lviv: UNFU. - 71 p.
- **Gayda S.V.** (2025): Post-consumer wood classifier. Resource conservation guide. - Lviv: UNFU. - 30 p.
- **Gayda S.V.** (2023): Post-consumer wood identifier. Resource conservation guide. - Lviv: UNFU. - 30 p.
- **Gayda S.V.** (2019): Scientific and technical basis of post-consumer wood use in woodworking: dissertation of the Doctor of Technical Sciences, specialty 05.23.06 – woodworking technology, furniture making and wood products manufacturing. – Lviv: Ukrainian National Forestry University. – 465 p.
- **Gayda S.V., Kiyko O.A., Kshyvetsky B.Ya., Kushpit A.S.** (2017): Recommendations for training of master's thesis. Lviv: UNFU. – 38 p
- **Gayda S.V.** (2016): Post-consumer wood and blockboards (joinery boards): research, technology, recommendations. Lviv: UNFU. – 60 p.
- **Gayda S.V., Kushpit A.S.** (2015): Recommendations for training of bachelor works. Lviv: UNFU. – 20 p.
- **Gayda S.V.** (2013): Greening of academic disciplines: problems, education, manufacturing, priorities. Lviv: UNFU. – 52 p.
- **Gayda S.V.** (2012): Flexible manufacturing cells in the Woodworking. Lviv: UNFU. – 37 p.
- **Gayda S.V., Salapak L.V.** (2011): A connection in the Woodworking. Lviv: UNFU. – 52 p.
- **Gayda S.V.** (2010): Finger jointing technology. Lviv: UNFU. – 42 p.

- **Gayda S.V.** (2008): Surface roughness of wood : characteristics and parameters. Lviv: UNFU. – 47 p.
- **Gayda S.V.** (2006): Progressive materials made of wood and paper. Lviv: UNFU. – 48 p.
- **Gayda S.V., Kshyvetskyi B.Ya., Voytovych I.G., Prokopovych B.V.** (2002): Explanator y dictionary from Woodworking. Lviv: UNFU. – 280 p.
- **Gayda S.V.** (2001): Rational constructing of wood Products. Lviv: BMC. – 93 p.
- **Gayda S.V.** (2000): Materials for the Production of wood Products. Lviv: BMC. – 160 p.
- **Gayda S.V.** (1998): Flexible manufacturing system and robots technology in the Woodworking. Vol.1: Fundamentals of creating flexible manufacturing system. Lviv: UNFU. – 149 p.
- **Gayda S.V.** (1998): Flexible manufacturing system and robots technology in the Woodworking. Vol.2: Fundamentals of robots technology. Lviv: UNFU. – 144 p

PAPERS IN PEER-REVIEWED JOURNALS

- **Gayda S.V., Kyianka V.V.** (2025). Development of approaches for the utilization of wood residues and waste from the processing of wood and composite structural materials in furniture manufacturing at LLC «Fortuna-Mebli». Forestry, Forest, Paper and Woodworking Industry 51: 109-123 (in Ukrainian). doi: <https://doi.org/10.36930/42255108>
- **Gayda S.V.** (2025). Analysis of trends in the production volumes of construction materials in Ukraine and Europe. Forestry, Forest, Paper and Woodworking Industry 51: 33-48 (in Ukrainian). doi: <https://doi.org/10.36930/42255103>
- **Gayda S.V.** (2025). Dynamics of the wood harvesting industry in the context of the circular economy. Forestry, Forest, Paper and Woodworking Industry 51: 4-16 (in Ukrainian). doi: <https://doi.org/10.36930/42255101>
- **Gayda S.V., Ferents O.B.** (2025). Comparative analysis of alternative technologies for wooden house construction. Forestry, Forest, Paper and Woodworking Industry 51: 49-63 (in Ukrainian). doi: <https://doi.org/10.36930/42255104>
- **Orikhovskyy R.Ya., Gayda S.V., Grytsak S.A., Salapak L.V.** (2025). Choice of the sequence of productivity of machinery in automated production systems of the woodworking manufacturing. Forestry, Forest, Paper and Woodworking Industry 51: 17-33 (in Ukrainian). doi: <https://doi.org/10.36930/42255102>
- **Gayda S.V.** (2024). Analysis of the trend of the main indicators of the wood processing industry in the context of the circular economy. Forestry, Forest, Paper and Woodworking Industry 50: 4-15 (in Ukrainian). doi: <https://doi.org/10.36930/42245001>
- **Gayda S.V., Medvid L.V.** (2024). Construction of the mathematical model of the strength of post-consumer wood made blockboard of different designs. Proceedings of the Forestry Academy of Sciences of Ukraine, 27, 180-189. <https://doi.org/10.15421/412424> (in Ukrainian)
- **Gayda S.V.** (2024). Analysis of the dynamics of indicators of basic construction materials in the context of the circular economy. Forestry, Forest, Paper and Woodworking Industry 50: 29-40 (in Ukrainian). doi: <https://doi.org/10.36930/42245003>
- **Lesiv, L.E., Gayda, S.V., Salapak, L.V.** (2024). Development of a mathematical model of the strength of joined preparations from post-consumer fir wood. Forestry, Forest, Paper and Woodworking Industry 50: 16-28 (in Ukrainian). doi: <https://doi.org/10.36930/42245002>
- **Orikhovskyy R.Ya., Gayda S.V.** (2024). Determination of running time losses in automated processing systems of woodworking. Forestry, Forest, Paper and Woodworking Industry 50: 41-51 (in Ukrainian). doi: <https://doi.org/10.36930/42245004>
- **Gayda S.V.** (2023). Determination of the circularity indicator in the forest sector according to the principles of the circular economy. Forestry, Forest, Paper and Woodworking Industry, 49, 99-114. <https://doi.org/10.36930/42234908> (in Ukrainian).

- **Petryshak I.V., Gayda S.V., Humeniuk Zh.Ya.** (2023). Establishing the influence of grinding modes on different thicknesses of furniture panels. *Forestry, Forest, Paper and Woodworking Industry* 49: 20-32, (in Ukrainian). doi: <https://doi.org/10.36930/42234902>
- **Gayda S.V.** (2023). State and analysis of the dynamics indicators of the production volume of the woodworking and furniture industry. *Forestry, Forest, Paper and Woodworking Industry* 49: 4-19 (in Ukrainian). doi: <https://doi.org/10.36930/42234901>
- **Gayda S.V., Kiyko O.A.** (2023). Study of Physical and Mechanical Properties of Post-Consumer Wood of Different Age. *Drewno. Prace naukowe. Doniesienia. Komunikaty*, 66(212), 00010. <https://doi.org/10.53502/wood-177453>.
- **Medvid L.V., Gayda S.V.** (2023). Determination of the strength indicators of normal blockboard made of post-consumer wood . *Forestry, Forest, Paper and Woodworking Industry* 49: 85-98, (in Ukrainian). doi: <https://doi.org/10.36930/42234907>
- **Gayda S.V., Lesiv L.E.** (2023). Mathematical model of forecasting volumes of post-consumer wood production. *Forestry, Forest, Paper and Woodworking Industry*, 49, 33-47. <https://doi.org/10.36930/42234903>] (in Ukrainian).
- **Gayda S.V., Kushpit A.S., Huber Yu.M.** (2023). Analysis of implementation of Industry 4.0 principles in furniture production, [Гайда С.В., Кушпiт А.С., Губер Ю.М. Аналіз впровадження принципів Industry 4.0 у меблеве виробництво] *Forestry, Forest, Paper and Woodworking Industry* 49: 73-84, (in Ukrainian). doi: <https://doi.org/10.36930/42234906>
- **Grytsak S.A., Gayda S.V., Kushpit A.S., Salapak L.V.** (2023). Analysis of the efficiency of structural and technological solutions in the production of component units of lattice furniture products. *Forestry, Forest, Paper and Woodworking Industry* 49: 61-72, (in Ukrainian). doi: <https://doi.org/10.36930/42234905>
- **Gayda S.V., Kiyko O.A., Guz, M.M.** (2022). Research of the structure of stump and rootwood for effective use in the production of wood products. *Folia Forestalia Polonica, Series A – Forestry*, 2022, Vol. 64 (3), 131–142, doi: <https://doi.org/10.2478/ffp-2022-0011>
- **Gayda S.V., Ilkiv M.M.** (2021). Research of technological processes of manufacture of meble facades from solid wood. *Forestry, Forest, Paper and Woodworking Industry* 47:22-33, (in Ukrainian). doi: <https://doi.org/10.36930/42214703>
- **Gayda S.V., Kiyko O.A.** (2021). Properties of Post-consumer wood as a determining factor in the quality of furniture products. *Scientific Works of the Forestry Academy of Sciences of Ukraine* 23:152-162, (in Ukrainian). <https://doi.org/10.15421/412135>
- **Gayda S.V., Salapak L.V., Lesiv L.E.** (2021). Determination of an efficient technological process of manufacturing various support elements for functional surfaces. *Forestry, Forest, Paper and Woodworking Industry* 47: 58-72, (in Ukrainian). doi: <https://doi.org/10.36930/42214708>
- **Gayda S.V.** (2020). Analysis of structures and technologies of manufacture of modern furniture facades. *Forestry, Forest, Paper and Woodworking Industry*, 46, 54-64. <https://doi.org/10.36930/42204606> (in Ukrainian).
- **Gayda S.V., Kiyko O.A.** (2020). Determining the regime parameters for the surface cleaning of post-consumer wood by a needle milling tool. *Eastern-European Journal of Enterprise Technologies*, 5 (1(107)), 89-97. <https://doi.org/10.15587/1729-4061.2020.212484>.
- **Gayda S.V., Kiyko O.A.** (2020). The investigation of properties of blockboards made of post-consumer wood. *Poznan : Drewno*, 63(206), 77-102. <https://doi.org/10.12841/wood.1644-3985.352.10>.
- **Gayda S.V., Petryshak I.V.** (2020). Study of the influence of breed and grinding modes on the specific productivity of grinding skin. *Forestry, Forest, Paper and Woodworking Industry*, 46, 5-15. <https://doi.org/10.36930/42204601> (in Ukrainian).
- **Gayda S.V., Voytovych I.G., Orikhovskyy R.Ya.** (2020). Research of technological processes of production of legs of tables of various designs. *Forestry, Forest, Paper and Woodworking Industry* 46:36-49, (in Ukrainian). doi: <https://doi.org/10.36930/42204604>

- **Grytsak S.A., Gayda S.V.** (2020). Comparative analysis of physical and mechanical characteristics of bent elements from different tree species. *Forestry, Forest, Paper and Woodworking Industry* 46:16-27 (in Ukrainian). doi: <https://doi.org/10.36930/42204602>
- **Orikhovskyy R.Ya., Gayda S.V.** (2020). The influence of different parameters of stability of production sites on the efficiency of functioning of woodworking production. *Forestry, Forest, Paper and Woodworking Industry* 46:49-53 (in Ukrainian). doi: <https://doi.org/10.36930/42204605>
- **Gayda S.V.** (2019): Scientific and technical basis of post-consumer wood use in woodworking: dissertation of the Doctor of Technical Sciences, specialty 05.23.06 – woodworking technology, furniture making and wood products manufacturing. – Lviv: Ukrainian National Forestry University. – 465 p.
- **Gayda S.V., Bilyy Ya.M.** (2019): A investigation of technological processes of making beds of double different designs. *Forestry, Forest, Paper and Woodworking Industry* 45:21-31 (in Ukrainian).
- **Gayda S.V.** (2019): A determination and comparison of properties of post-consumer wood of the basic conifers. *Forestry, Forest, Paper and Woodworking Industry* 45:38-49 (in Ukrainian).
- **Gayda S.V.** (2018): Strength of combined blockboard made of post-consumer wood (PCW). *Bulletin of KhNTUA* 197:3-9 (in Ukrainian).
- **Gayda S.V.** (2018): Shape stability as a quality criterion for PCW-made blockboards. *Scientific Works of the Forestry Academy of Sciences of Ukraine* 17:185-192 (in Ukrainian).
- **Gayda S.V.** (2018): A investigation and analysis of characteristics of solid furniture boards made of post-consumer wood. *Forestry, Forest, Paper and Woodworking Industry* 44:14-24 (in Ukrainian).
- **Gayda S.V., Voytovych I.G.** (2017): Durability and stability of elements for beam furniture products made from post-consumer wood (PCW) are investigated. *Bulletin of KhNTUA* 189:62-70 (in Ukrainian).
- **Gayda S.V.** (2017): A technology and properties of furniture board (fb) made of post-consumer wood. *Actual problems of forest complex* 48:34-38 (in Russian).
- **Gayda S.V.** (2017): Using fuzzy expert systems for decision support in the process of post-consumer wood sorting. *Forestry, Forest, Paper and Woodworking Industry* 43:5-20 (in Ukrainian).
- **Gayda S.V.** (2017): The complex studies on the change of elastic properties of post-consumer fir wood with age. *Forestry, Forest, Paper and Woodworking Industry* 43:58-72 (in Ukrainian).
- **Gayda S.V., Bilyy Ya.M.** (2016): The investigation of the shape stability of glued panels made of post-consumer wood. *Forestry, Forest, Paper and Woodworking Industry* 42:69-79 (in Ukrainian).
- **Gayda S.V.** (2016): Research on physical and mechanical characteristics of front blockboards made from post-consumer wood. *Forestry, Forest, Paper and Woodworking Industry* 42:33-50.
- **Gayda S.V.** (2016): A investigation of form of stability of variously designed blockboards made of post-consumer wood. *ProLigno* 12(1):22-31.
- **Gayda S.V.** (2016): Ecological and technological aspects of recycling post-consumer wood for Production compacted materials. *Lesnoy vestnik / Forestry bulletin of MSFU* 20(3):15-22 (in Russian).
- **Gayda S.V.** (2016): Technological approaches to cleaning of surface of post-consumer wood (PCW) of needle-milling tools. *Bulletin of KhNTUA* 178:3-11 (in Ukrainian).
- **Gayda S.V.** (2016): A form of stability of blockboards (BB) made of post-consumer wood (PCW). *Actual problems of forest complex* 46:148-153 (in Russian).
- **Gayda S.V.** (2015): Investigation of physical and mechanical properties of post-consumer wood (PCW). *Actual problems of forest complex* 43:175-179 (in Russian).

- **Gayda S.V.** (2015): Technology and physical and mechanical properties blockboard made of post-consumer wood (PCW). Technical service of agriculture, forestry and transport systems 3(1):145-152 (in Ukrainian).
- **Gayda S.V.** (2015): Technological of processing basics of of post-consumer wood (PCW). Actual directions of Scientific Research XXI century: Theory and Practice, Voronezh State Forestry Engineering University Named after G.F. Morozov 3(8-2 (19-2)): 82-86 (in Russian).
- **Gayda S.V.** (2015): Modeling properties of blockboards made of post-consumer wood on the basis of the finite element method. Forestry, Forest, Paper and Woodworking Industry 41:39-49.
- **Gayda S.V.** (2014): Techniques for recycled of post-consumer wood in the Production of quality particleboard. Forestry, Forest, Paper and Woodworking Industry 40:41-51.
- **Gayda S.V.** (2014): Preparation methods for processing of post-consumer wood (PCW) needle-milling and brushing machines. Actual problems of forest complex 40:65-69 (in Russian).
- **Gayda S.V.** (2014): The theoretical rationale for the approach on the prediction the strength of particleboard from recycled wood. Actual problems of forest complex 38:212-216 (in Russian).
- **Gayda S.V.** (2013): Techniques of fuel pellets produced from post-consumer wood. Actual problems of forest complex 36:49-53 (in Russian).
- **Gayda S.V.** (2013): Technologies and recommendations on the utilization of post-consumer wood in woodworking industry. Forestry, Forest, Paper and Woodworking Industry 39(1):48-67 (in Ukrainian).
- **Gayda S.V.** (2013): Production techniques and properties of fuel pellets produced from post-consumer wood. Scientific Bulletin of UNFU 23(14):83-93 (in Ukrainian).
- **Gayda S.V.** (2013): Resource-saving technologies of recycling of post-consumer wood. Scientific Bulletin of NULES of Ukraine: Technology and Energy of agroindustrial complex 185(2):271-280 (in Ukrainian).
- **Gayda S.V.** (2013): Bases of secondary wood resources classifier formation. Scientific Works of the Forestry Academy of Sciences of Ukraine 11:208-215 (in Ukrainian).
- **Gayda S.V.** (2012): Production techniques and properties of fuel pellets produced from post-consumer wood. Forestry, Forest, Paper and Woodworking Industry 38:112-150.
- **Gayda S.V., Koval L.I.** (2011): Recycling waste from sawing MDF. Forestry, Forest, Paper and Woodworking Industry 37(1): 49-53 (in Ukrainian).
- **Gayda S.V., Voronovich V.V.** (2011): Comparative analysis of bending particularities for various post-consumer wood species and age categories. Forestry, Forest, Paper and Woodworking Industry 37(1): 84-88 (in Ukrainian).
- **Gayda S.V.** (2011): Recovered wood is additional resource of raw material. Forestry, Forest, Paper and Woodworking Industry 37(1): 238-244 (in Ukrainian).
- **Gayda S.V.** (2011): The investigation of physical and mechanical properties of wood particleboards made from post-consumer wood. Forestry, Forest, Paper and Woodworking Industry 37(2):95-110.
- **Gayda S.V., Dyak T.P.** (2011): The analysis of economic efficiency of post-consumer wood use for particleboard manufacture for LLC Swisspan Limited. Forestry, Forest, Paper and Woodworking Industry 37(2):129-136.
- **Gayda S.V., Maksymiv V.M.** (2010): From recycled post-consumer wood towards prime quality particleboard. Forestry, Forest, Paper and Woodworking Industry 36: 57-77.
- **Gayda S.V.** (2010): A comparative analysis of physical and mechanical parameters of variously designed glued boards made of post-consumer recovered wood. Forestry, Forest, Paper and Woodworking Industry 36:81-91.
- **Gayda S.V.** (2010): Research of application post-consumer wood (PCW) in woodworking industry of Ukraine. Actual problems of forest complex 27:38-42 (in Russian).
- **Gayda S.V.** (2009): The effective use of post-consumer wood is basis for diminishing of CO₂-emission. Scientific Bulletin of UNFU 19(14):72-88 (in Ukrainian).

- **Gayda S.V.** (2009): Potential of post-consumer recovered wood and possible ways of it using in Ukraine. *Forestry, Forest, Paper and Woodworking Industry* 35:63-83.
- **Gayda S.V., Maksymiv V.M., Tunytsya T.Yu.** (2008): Elaboration of post-consumer wood classifier. *Forestry, Forest, Paper and Woodworking Industry* 34:55-68 (in Ukrainian).
- **Gayda S.V.** (2008): Chemical compound and degree of its contamination as the basis to systematization of post-consumer wood. *Forestry, Forest, Paper and Woodworking Industry* 34:68-79 (in Ukrainian).
- **Gayda S.V., Koval L.I.** (2008): Problems and features of vacuum lamination of MDF for facades. *Forestry, Forest, Paper and Woodworking Industry* 34: 111-117 (in Ukrainian).
- **Gayda S.V.** (2007): A problem of arboreal raw material is in Europe and Ukraine. *Forestry, Forest, Paper and Woodworking Industry* 33: 55-63 (in Ukrainian).
- **Gayda S.V., Maksymiv V.M.** (2007): Analysis, features, problems and experience of the use of additional resources of raw material – wastes and of used wood. *Forestry, Forest, Paper and Woodworking Industry* 33:63-73 (in Ukrainian).
- **Gayda S.V.** (2007): Research of concentration of operations is in modern furniture Production. *Forestry, Forest, Paper and Woodworking Industry* 33: 73-79 (in Ukrainian)

Papers in proceedings of the International Scientific Conference

- **Gayda S.V., Udovyt'skyi O.M., Salabay R.G.** (2025): Strength of joinery and construction molding from spliced MDF blanks. – Chernihiv: NU “Chernihiv Polytechnic”, 2025. – T.2. – P. 150-151.
- **Gayda S.V., Udovyt'skyi O.M., Salabay R.G.** (2025): Substandard wood in concrete products. – Chernihiv: NU “Chernihiv Polytechnic”, 2025. – T.2. – P. 141-142.
- **Gayda S.V., Lesiv L.E.** (2025). Strength of combined joinery boards from used fir wood: materials of abstracts of the All-Ukrainian Scientific and Practical Conference (Kharkiv, April 24-25, 2025). – Kharkiv: State Biotechnological University, 2025. – P. 151-153.
- **Gayda S.V., Medvid L.V.** (2025). Technology of surface cleaning of used wood with a needle milling tool: materials of abstracts of the All-Ukrainian Scientific and Practical Conference (Kharkiv, April 24-25, 2025). – Kharkiv: State Biotechnological University, 2025. – P. 154-156.
- **Gayda S.V., Podibka T.I.** (2025). Ensuring the flatness of furniture panels from European beech: materials of abstracts of the All-Ukrainian Scientific and Practical Conference (Kharkiv, April 24-25, 2025). – Kharkiv: State Biotechnological University, 2025. – P. 157-159.
- **Gayda S.V.**, (2025). Implementation of the principles of the circular economy in the forest sector: materials of the abstracts of the reports of the All-Ukrainian scientific and practical conference (Kharkiv, April 24-25, 2025). – Kharkiv: State Biotechnological University, 2025. – P. 160-162.
- **Gayda S.V., Lutsenko A.O.** (2025). Flexible woodworking production - a basis for the implementation and adaptation of CAD systems based on Imos for the design of wood products: materials of the abstracts of the reports of the All-Ukrainian scientific and practical conference (Kharkiv, April 24-25, 2025). – Kharkiv: State Biotechnological University, 2025. – P. 163-165.
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