

# Europass Curriculum Vitae



## Personal information

First name(s) / Surname(s) **Zhivko Gochev**  
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E-mail [zhivkog@yahoo.com](mailto:zhivkog@yahoo.com); [zhivkog@ltu.bg](mailto:zhivkog@ltu.bg)  
Nationality Bulgarian  
Date of birth 25.03.1960  
Gender Male

## Work experience

Dates	October 2019 onwards
Occupation or position held	PROFESSOR Ph.D.
Dates	February 2006 - October 2019
Occupation or position held	ASSOCIATE PROFESSOR Ph.D.
Main activities and responsibilities	Dean of Faculty of Forest Industry
Name and address of employer	University of Forestry, 10 Kliment Ohridski Blvd., 1797 Sofia, Bulgaria
Type of business or sector	University Education
Dates	January 2011 – October 2019
Occupation or position held	ASSOCIATE PROFESSOR Ph.D.
Dates	October 2019 onwards
Occupation or position held	PROFESSOR Ph.D.
Main activities and responsibilities	Full-time Lecturer in CNC Machines, Tools and Technologies (Master Degree Program)
Name and address of employer	University of Forestry, 10 Kliment Ohridski Blvd., 1797 Sofia, Bulgaria
Type of business or sector	University Education
Dates	September 2018 – October 2019
Occupation or position held	ASSOCIATE PROFESSOR Ph.D.
Dates	PROFESSOR Ph.D.
Occupation or position held	Head of Production practice
Main activities and responsibilities	University of Forestry, 10 Kliment Ohridski Blvd., 1797 Sofia, Bulgaria
Name and address of employer	University Education
Dates	November 2007 – February 2016
Occupation or position held	ASSOCIATE PROFESSOR Ph.D.
Main activities and responsibilities	Head of Department Woodworking machines
Name and address of employer	University of Forestry, 10 Kliment Ohridski Blvd., 1797 Sofia, Bulgaria
Type of business or sector	UNIVERSITY EDUCATION
Dates	October 2019 onwards
Occupation or position held	PROFESSOR Ph.D.
Dates	March 2005 – October 2019
Occupation or position held	ASSOCIATE PROFESSOR Ph.D.

Main activities and responsibilities	Full-time Lecturer in Wood Cutting and Woodworking Tools (Bachelor Degree Program) Full-time Lecturer in Lasers Application in Woodworking and Furniture Industry (Master Degree Program)
Name and address of employer	University of Forestry, 10 Kliment Ohridski Blvd., 1797 Sofia, Bulgaria
Type of business or sector	University Education
Dates	SEPTEMBER 1996 – DECEMBER 2004
Occupation or position held	HEAD ASSISTANT PROFESSOR
Main activities and responsibilities	Full-time Lecturer in Wood Cutting and Woodworking Tools (Bachelor Degree Program) Full-time Lecturer in Business Valuation of Machines and Equipment (Bachelor Degree Program) Full-time Lecturer in Organization and Planning in Woodworking and Furniture Industry (Bachelor Degree Program)
Name and address of employer	University of Forestry, 10 Kliment Ohridski Blvd., 1797 Sofia, Bulgaria
Type of business or sector	University Education
Dates	SEPTEMBER 1991 - SEPTEMBER 1996
Occupation or position held	PART-TIME ASSISTANT PROFESSOR
Main activities and responsibilities	PART-TIME Lecturer in Wood Cutting and Woodworking Tools (Bachelor Degree Program)
Name and address of employer	University of Forestry, 10 Kliment Ohridski Blvd., 1797 Sofia, Bulgaria
Type of business or sector	University Education
Dates	JANUARY 1995 onwards
Occupation or position held	Engineer
Main activities and responsibilities	Leader of a Laboratory "Laser Technology"
Name and address of employer	University of Forestry, 10 Kliment Ohridski Blvd., 1797 Sofia, Bulgaria
Type of business or sector	University Education
Dates	JANUARY 1992 – DECEMBER 1994
Occupation or position held	Engineer - technologist
Main activities and responsibilities	Technologist in a Production Department of Woodworking Machines
Name and address of employer	Factory for Wood Working Machines – Koynare Ltd, 5986 Koynare, Industrial Zone, Bulgaria
Type of business or sector	Mechanical Engineering
Dates	JANUARY 1991 - DECEMBER 1992
Occupation or position held	Engineer - researcher
Main activities and responsibilities	Researcher in a Research Department
Name and address of employer	University of Forestry, 10 Kliment Ohridski Blvd., 1797 Sofia, Bulgaria
Type of business or sector	University Education
Dates	March 1987 - DECEMBER 1990
Occupation or position held	Ph.D. Student
Main activities and responsibilities	Ph.D. Student in Department of "Mechanization and Automation of the Woodworking"
Name and address of employer	University of Forestry, 10 Kliment Ohridski Blvd., 1797 Sofia, Bulgaria
Type of business or sector	University Education
Dates	September 1985 – 1987
Occupation or position held	Engineer – Technologist
Main activities and responsibilities	Technologist in a Furniture Factory
Name and address of employer	Bukelon M Ltd, 44 Saedinenie Blvd., 6300 Haskovo, Bulgaria
Type of business or sector	Furniture Industry
<b>Education and training</b>	
Dates	February 2001
Title of qualification awarded	Professional Training
Principal subjects/occupational skills covered	New technology in Woodworking and Furniture Industry
Name and type of organisation providing education and training	"TEAK OY", Teuva - Finland, Supervisor, Lars Kronqvist
Dates	July 1998
Title of qualification awarded	Professional Training
Principal subjects/occupational skills covered	Wood and Timber Industries of Sweden
Name and type of organisation providing education and training	Eurofortech/Skog&Trä, Skinnskattenberg, Sweden Supervisors Lilian Nihlman (Found. Forest&Wood) and prof. Tord Segerdahl (University of Karlstad)
Title of qualification awarded	Professional Training

Dates	August - December 1997
Title of qualification awarded	Training Course
Principal subjects/occupational skills covered	Wood Based Materials Application Technology
Name and type of organisation providing education and training	Japan International Cooperation Agency (JICA), Nagoya International Training Center (NITC), Nagoya, Japan, Supervisor Prof. Yoji Kikata (Nagoya University)
Dates	March 1987 – December 1990
Title of qualification awarded	Ph.D.
Principal subjects/occupational skills covered	Thesis Title: "Study on the Process of Laser cutting of Particleboard Furniture Details"
Name and type of organisation providing education and training	University of Forestry, 10 Kliment Ohridski Blvd., 1756 Sofia, Bulgaria
Level in national or international classification	ISCED 6
Dates	September 1980 – June 1985
Title of qualification awarded	Master of Science in Wood Technology
Principal subjects/occupational skills covered	Engineer of the Woodworking and Furniture Industry
Name and type of organisation providing education and training	University of Forestry, 10 Kliment Ohridski Blvd., 1756 Sofia, Bulgaria
Level in national or international classification	ISCED 5

**Personal skills and competences**

Mother tongue(s) **Bulgarian**

Other language(s)

Self-assessment  
*European level (\*)*

**English**

**Russian**

**German**

**Slovak**

**Serbian**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C2	Proficient user	B2	Independent user	B2	Independent user	B2	Independent user
C1	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C1	Proficient user
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user
A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user
A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user

(\*) [Common European Framework of Reference for Languages](#)

Social skills and competences

- Team work: I have worked in various types of research teams
- Easy to adapt to multicultural environments, gained through my work experience abroad
- Good communication skills gained through my experience as university lecturer

Organisational skills and competences

- Leadership: Currently Dean of the Faculty of Forest Industry and responsible for a team of 52 people
- Organizational experience: Organization of scientific seminars and conferences with international participation
- Experience in managing teams and projects: Leadership and participation in national and international projects

Technical skills and competences

Certificate of appraisal ability, registration № 300100629, License № 4722 assessment of machinery and equipment  
Ability to work with lasers and CNC machines

Computer skills and competences	- Competent with most Microsoft Office programmes (Word, Excel and PowerPoint), CAD&CAM BiesseWorks – BiesseCabinet - Basic knowledge of graphic design (Adobe Illustrator, PhotoShop, SolidWorks)
Driving licence	I am a holder of Bulgarian drivers licence. Category B vehicle.
Additional information	Military Service
Scientific interests	<ul style="list-style-type: none"> <li>• Laser Technologies in the Wood and Furniture Industries</li> <li>• Wood Cutting and Cutting Tools</li> <li>• CNC Machines and Technologies</li> <li>• Assessment of Machinery and Equipment</li> <li>• Efficient utilization of Wood</li> </ul>
Monograph	<b>Gochev Zh.</b> (2017), Preparation and maintenance of band saw blades for cutting of round wood, Publishing „Polygraph Co.“, Haskovo, p. 200, ISBN 978-619-7240-47-4.
Textbooks and teaching aids	<ol style="list-style-type: none"> <li>1. <b>Gochev Zh.</b> (2005), Manual for Wood Cutting Exercises and Woodworking Tools, LH at LTU, Sofia, ISBN 954-332-007-1, p. 263.</li> <li>2. Ivanova D., R. Raycheva, P. Panayotov, N. Grigorov, G. Hristova, M. Mladenova, S. Kovacheva, I. Ivanov, V. Brezin, G. Tasev, <b>Zh. Gochev</b>, V. Piralkov (2008), Handbook of the entrepreneur in the woodworking and furniture industry, PH Avangard Prima, ISBN 978-954-323-461-5, Sofia, p. 300.</li> <li>3. <b>Gochev Zh.</b> (2018), Wood Cutting and Cutting Tools, PH Avangard Prima, Sofia, p. 523, ISBN 978-619-239-047-1.</li> </ol>
Citations	Over 70 citations from Bulgarian and foreign authors
Participation in international conferences and seminars	<p>2004, 2006, 2008; 2012; 2016 4<sup>th</sup>; 5<sup>th</sup>; 6<sup>th</sup>; 8<sup>th</sup>; 10<sup>th</sup> International Scientific Conference: proceedings of papers, „Chip and Chipless Woodworking Processes“, Technical University in Zvolen, Slovakia</p> <p>2007, 2009 2<sup>nd</sup>; 3<sup>rd</sup> International Science Conference on Woodworking Techniques, University of Zagreb, Croatia</p> <p>2007 International Symposium: „Sustainable Forestry – Problems and Challenges Perspectives and Challenges in Wood Technology“, Ohrid, Republic of Macedonia</p> <p>2009 42<sup>nd</sup> International Symposium on Forestry Mechanization, FORMEC, Kostelec nad Černými lesy, Czech Republic</p> <p>2013, 2015, 2017, 2019 International scientific conference „Wood Technology &amp; Product Design“, Ohrid, Republic of Macedonia</p> <p>2016 11<sup>nd</sup> International Furniture Congress., Muğla Sitki Koçman University, Turkey</p> <p>2016 8<sup>th</sup> International Conference on Wood and Fire Safety, Štrbské Pleso, Slovakia</p> <p>2017 The International Conference “Wood Science and Engineering in the Third Millennium” – ICWSE, Brashov, Romania</p> <p>2019 30<sup>th</sup> International Conference on Wood Science and Technology 2019, Zagreb, Croatia</p>
Participation in projects	
<i>Research projects</i>	
International projects	
2006 – 2018	<p>Contract - n°-2006 IRL/06/B/F/NT-153170 (2006÷2008), Expanding good practice in Education in the Forestry-Wood Chain sector through the InnovaWood network, InnovaWood – Ireland / UF, 13 EU Partners: Innovawood (IE); <b>University of Forestry (BG) – Gochev Zh.</b>, V. Brezin; European Network for Forest Entrepreneurs(DE); Aidima (ES); Teak oy –Teuve Adult Education Center (FI); Center de Formation Professionnelle Forestiers CFPF (FR), Waterford Intitute of Technology (IE); Lietuvos Misku Institut (LT); Latvian University of Agriculture (LV); Warsaw Agriculture University (PL); Instituto Superior de Agronomia ISA (PT); Institut National al Lemnului (RO); Slovenski Lesarski grozd (SI), Berner Fachhochschule Hochschule fr Architekture bau und Holz HSB (CH).</p> <p>Contracting authority: InnovaWood-Leonardo da Vinci Manager: InnovaWood – Ireland</p>

2011 – 2014	<b>Gochev Zh.</b> , K. Marinov, S. Stoilov, Contract DNTS/Slovakia 01/8, Theme № 863 (28.11.2011÷02.10.2014), Complex biomass utilization for energy, Agreement on bilateral scientific and technological cooperation between the Republic of Bulgaria and the Slovak Republic, MEYS – Fund Scientific Research, DNTS/Slovakia 01/8, MEYS/ SRS-UF. Employer: MEYS – Fund Scientific Research, Bulgaria - Slovakia bilateral cooperation Scientific leader: <b>Assoc. Prof. Zhivko Gochev</b>
2011 – 2015	<b>Gochev Zh.</b> , Member of Management Committee, COST Action FP1004, Enhance mechanical properties of timber, engineered wood products and timber structures COST Grant System, Start date: 30/05/2011, End date: 29/05/2015, Action FP1004, Forests, their Products and Services, Brussels. 73 Partners from 28 Countries Manager: prof. Richard Harris (UK)
<b>National projects</b>	
2004	Panayotov P., <b>Zh. Gochev</b> , G. Blaskova, N. Bardarov, K. Kalmukov - Experimental station for fast growing forest-wood species, Svishtov, I. Valchev – CHTMU, B. Rosnev – Forest Institute at the Bulgarian Academy of Sciences, P. Petkov – Forest Institute at the Bulgarian Academy of Sciences, Sofia, P. Denev – student, Contract № 742. (2004), Comparative studies of the properties of wood acacia Robinia pseudoacacia forma rectissima and traditionally used (wild) white acacia Robinia pseudoacacia L. Collective with head Prof. P. Panayotov, DUNAV-AGRO Ltd., Byala, SRS/UF.
2005	<b>Gochev Zh.</b> , P. Denev, K. Dragnev, Contract № 98. (2005), Investigation of the processes of electric arc welding of band saw blades with smelt electrode and their teeth stelling. Collective with head <b>Assoc. Prof. Zh. Gochev</b> , SRS/UF.
2008	<b>Gochev Zh.</b> , P. Nikolov, P. Denev, D. Kojnov, Contract № 122 (2008), Comparatively investigations on working capacity of wide band saw blades with part-set, swage-set and stellite tipped teeth. Collective with head <b>Assoc. Prof. Zh. Gochev</b> , SRS/UF.
2009 – 2010	<b>Gochev Zh.</b> , P. Nikolov, D. Kojnov, G. Kovachev, P. Vitchev, M. Tevosyan, M. Marinov, Contract № 45 (2009÷2010), Investigation on CNC machines, technologies and tool. Collective with head <b>Assoc. Prof. Zh. Gochev</b> , SRS/UF.
2016 – 2017	<b>Gochev Zh.</b> , G. Vukov, P. Vitchev, V. Atanasov, G. Kovachev, D. Karashki, V. Spasov, M. Todorov, Contract № 22 (2016÷2017), Modelling and experimental study of the processes in longitudinal milling of solid wood. Collective with head <b>Assoc. Prof. Zh. Gochev</b> , SRS/UF.
2019-2020	Contract SRS -B-1012/27.03.2019 Research condition of wood cutting tools edges and its surfaces by modelling their work with the using of effective sharpening methods. Collective with head <b>Prof. Zh. Gochev</b> , SRS/UF.
<b>Applied projects</b>	
2011	<b>Gochev Zh.</b> , Infrastructure project: "Performing repairs and partial renovation of a research and educational laboratory (№ 12) at the Department of Woodworking Machines" - Lab. 12, building A - Department "Woodworking machines", 2011 – <b>Team Leader Assoc. Prof. Zh. Gochev</b> Employer: SRS-UF Manager: <b>Assoc. Prof. Zh. Gochev</b>
2016 – 2019	Contract: FFI-2016-18-Yu-1; FFI-2016-18-B-1, Methodological Issues Concerning the Exploitation of the Woodworking Training Center to the Experimental Forestry-Yundola and the Experimental Forestry-Barzia. Head <b>Prof. Zh. Gochev</b> , SRS/UF.
<b>Educational projects</b>	
2012 – 2015	<b>Gochev Zh.</b> - Academic Tutorial on Project BG051PO001-3.3.07-0002 „ Student practices“,The project is implemented with the financial support of the Operational Program "Science and Education for Smart Growth", co-financed by the European Social Fund of the European Union, Duration 2012-2015. Employer: MES - Operational Program "Human Resources Development" Manager: Prof. V. Brezin
2013 -2015	Project BG051PO001-4.3.04-0052 "Development of Center for Electronic Forms of Distance Learning at University of Forestry", financed by Operational Program "Human Resources Development", headed by Prof. V. Brezin and participants: <b>Assoc. Prof. Zh. Gochev</b> , and others. Duration: 2013-2015.
2013 – 2015	Employer: MES - Operational Program "Human Resources Development" Project BG051PO001-3.3.06-0056 „Supporting for development of young people at the University of Forestry“, Funded by the Human Resource Development Operational Program, Headed by Professor Brezin and participants: <b>Assoc. Prof. Zh. Gochev</b> , and others, Duration: 2013-2015. Employer: MES - Operational Program "Human Resources Development"
<b>Member of scientific and organizational committees of scientific forums since 2014</b>	
2016, 2018, 2020	Member of Technical Committee 52 "Safety of machinery and equipment" of the Bulgarian Institute for Standardization Chairman of the Program Committee of the International Scientific Conference "Innovations in Forest Industry and Engineering Design", Faculty of Forest Industry at the University of Forestry

2016	Member of the Scientific Committee of the II-nd International Furniture Congress, Muğla Sitki Koçman University, Turkey
2017	Member of the Program Committee of the 3rd International Scientific Conference Wood Technology & Product Design, Ohrid, Macedonia Member of the Editorial Board of the Scientific journal "Chip and chipless woodworking processes" (ISSN 2453-904X (print), ISSN 1339-8350 (online), Technical University in Zvolen, Slovakia Member of the Editorial Board of the Scientific Journal "Acta Facultatis Technicae", ISSN 1336-4472, Technical University in Zvolen, Slovakia

### List of main publications

1. **Gochev Zh.** (2007), Comparatively investigation on working capacity of wide band saw blades with setting, swaging and stellite teeth, 2nd International Science Conference on WOODWORKING TECHNIQUES: proceedings of papers, University of Zagreb, September 11–15, Zalesina, CROATIA, pp. 47-52, ISBN 978-953-292-009-3.
2. **Gochev Zh.** (2009), Investigation on cutting process of poplar and pine logs through wide band saw blades with part-set and swage-set teeth, 3rd International Science Conference on WOODWORKING TECHNIQUES: proceedings of papers, University of Zagreb, September 2-5, Zalesina, CROATIA, pp 233-240, ISBN 978-953-292-009-3.
3. Atanasov V., R. Milchev, **Zh. Gochev** (2012), Approach to creating models of blade for portable sawmills, 8th International Scientific Conference, „Chip and Chipless Woodworking Processes“: proceedings of papers, Technical University - Zvolen, 06-08.IX. Zvolen, Slovakia, ISBN 978-80-228-2385-2, ISBN 978-80-228-2385-2, pp. 13-18, ISBN 978-80-228-2385-2.
4. **Gochev Zh.**, S. Stoilov, K. Marinov, M. Ferencik, M. Lieskovský (2012), Woody biomass utilization in Bulgaria and Slovakia, 8th International Scientific Conference, „Chip and Chipless Woodworking Processes“: proceedings of papers, Technical University - Zvolen, 06-08.IX. Zvolen, Slovakia, pp. 117-124, ISBN 978-80-228-2385-2.
5. Kovachev G., **Zh. Gochev** (2012), Investigation of oscillation in the classical wedge belts in woodworking machines, 8th International Scientific Conference, „Chip and Chipless Woodworking Processes“: proceedings of papers, Technical University - Zvolen, 06-08.IX. Zvolen, Slovakia, pp. 217-225, ISBN 978-80-228-2385-2.
6. Marinov K., **Zh. Gochev**, S. Stoilov (2012), Screw presses study for briquettes' for densified wood, 8th International Scientific Conference, „Chip and Chipless Woodworking Processes“: proceedings of papers, Technical University - Zvolen, 06-08.IX. Zvolen, Slovakia, pp. 175-178, ISBN 978-80-228-2385-2.
7. Vukov G., **Zh. Gochev**, Slavov V. (2012), Torsional vibrations in the saw unit of a kind of circular saw. Numerical investigations of the natural frequencies and mode shape, 8th International Scientific Conference, „Chip and Chipless Woodworking Processes“: proceedings of papers, Technical University - Zvolen, 06-08.IX. Zvolen, Slovakia, pp. 371-378, ISBN 978-80-228-2385-2.
8. Deliiski N, L. Dzurenda, N. Trichkov, **Zh. Gochev**, D. Angelski (2016), Modelling of the unilateral convective heating process of furniture elements before their lacquer coating, Scientific journal Acta Facultatis Xylogiae, Zvolen, 58(2), DOI: 10.17423/afx.2016.58.2.06, pp. 51-64, ISSN 1336-3824.
9. Gochev Zh. G. Vukov (2017), Influence of the wearing of the saw unit elements of the wood shaper on the system vibration, Journal Acta Facultatis Xylogiae Zvolen, 59(2), DOI: 10.17423/afx.2017.59.2.14, pp. 147-153, ISSN 1336-3824.
10. Vukov G., **Zh. Gochev** (2018), Modeling of the influence of wearing of a saw unit elements of a wood shaper on its vibrations, Journal Acta Facultatis Xylogiae Zvolen, 60(1), DOI: 10.17423/afx.2018.60.1.14, pp. 129-135, ISSN 1336-3824.
11. Deliiski N., D. Angelski, N. Trichkov, L. Dzurenda, **Zh. Gochev**, N. Tumbarkova (2018), Modelling of the energy consumption of the unilateral convective heating process of furniture elements before their lacquer coating, Journal Acta Facultatis Xylogiae Zvolen, 60(2), DOI: 10.17423/afx.2018.60.2.07, pp. 71-83, ISSN 1336-3824.
12. Vitchev P., **Zh. Gochev** (2018), Study of milling surfaces depending on the parameters of technological process, 29th International Conference on Wood Science and Technology – ICWST: proceedings of papers, Faculty of Forestry, University of Zagreb, Croatia, pp. 193-199, ISBN: 978-953-292-059-8.
13. Wieloch G., **Zh. Gochev**, B. Porankiewicz (2012), Image of wear of tools from cemented carbide during milling of glued wood elements, Annals of Warsaw University of Life Sciences – SGGW Forestry and Wood Technology № 80, 2012: 173-177, (Ann. WULS-SGGW, Forestry and Wood Technology 80, 2012), Poland, pp. 173÷177, ISSN 1898-5912.
14. Vukov G., **Zh. Gochev**, V. Slavov, G. Wieloch (2013), Investigation of the Forced Torsional Vibrations in the Saw Unit of a Kind of Circular Saws. Part I: Mechanic Mathematical Model, Annals of Warsaw University of Life Sciences – SGGW, Forestry and Wood Technology № 81, 2013, pp. 279÷285, ISSN 1898-5912.
15. Vukov G., **Zh. Gochev**, V. Slavov, G. Wieloch (2013), Investigation of the Forced Torsional Vibrations in the Saw Unit of a Kind of Circular Saws. Part II: Numerical Investigations, Annals of Warsaw University of Life Sciences – SGGW, Forestry and Wood Technology № 81, 2013, pp. 286÷292, ISSN 1898-5912.
16. Grzegorz W., J. Wilkowski, **Zh. Gochev** (2015), Basic board problem in „nesting“, Annals of Warsaw University of Life Sciences - SGGW Forestry and Wood Technology № 92, 2015: 468-472 (Ann. WULS - SGGW, For. and Wood Technol. 92, 2015), pp. 468÷472, ISSN 1898-5912.

**Additional in  
formation**

17. Gochev Zh., G. Vukov, P. Vitchev, V. Atanasov, G. Kovachev (2017), Influence of the cutting mode on the overall vibrations generated by the woodworking milling machine, Annals of Warsaw University of Life Science – SGGW, Forestry and Wood Technology № 98, pp. 33÷42, ISSN 1898-5912, ISSN 1898-5912.
18. Vukov G., **Gochev Zh.**, Slavov V., Vitchev P., Atanasov V. (2017). Mechanic-mathematical model for investigations of the forced spatial vibrations of wood shaper and its spindle, caused by unbalance of the cutting tool, Scientific journal „PRO LIGNO“, Volume 13, Issue 4, pp. 148÷153, ISSN 2069-7430.
20. Vukov G., **Gochev Zh.**, Slavov V., Vitchev P., Atanasov V. (2017), Numerical investigations of the forced spatial vibrations of a wood shaper and its spindle, caused by unbalance of the cutting tool, Scientific journal „PRO LIGNO“, Volume 13, Issue 4, pp. 154÷161, ISSN 2069-7430.
21. **Gochev Zh.**, Vukov, V. Atanasov. P. Vichev (2018), Factors influencing the cutting power in longitudinal milling of solid wood, Annals of Warsaw University of Life Sciences – SGGW Forestry and Wood Technology № 102, 2018, pp. 103÷111, ISSN 1898-5912.
22. Deliiski N., N. Trichkov, **Zh. Gochev**, D. Angelski (2016), Modeling of the Energy Consumption for Warming up of Furniture Elements during their Unilateral Convective Heating before Lacquering, Science Institute of Information and Communication Technologies of Bulgarian Academy of Sciences, „Information technologies and control“, DOI: 10.1515/itc-2017-0012, vol. 14, Issue 4, Dec 2016, pp. 11÷18, ISSN: 2367-5357.
23. **Gochev Zh.**, G. Vukov, V. Atanasov. P. Vichev (2018), Study on the power energetic indicators of universal milling machine, Science journal „Innovations in Woodworking Industry and Engineering Design“, vol. VII, № 1, Sofia, pp. 18-24, ISSN 1314-6149.
24. Vukov G., **Zh. Gochev** (2018), Modeling of the free spatial vibrations of wood shaper and its spindle, Science journal „Innovations in Woodworking Industry and Engineering Design“, vol. II, № 2, Sofia, ISSN 1314-6149, pp. 19÷26.
25. **Gochev Zh.** (2014), Examination the process of longitudinal solid wood profile milling. Part I: Performance of cutter profile, Science journal „Innovations in Woodworking Industry and Engineering Design“, vol. III, № 3, Sofia, pp. 40÷47, ISSN 1314-6149.
26. **Gochev Zh.** (2014), Examination the process of longitudinal solid wood profile milling. Part II: Influence of the revolution frequency and feed rate on the roughness of the treated surfaces, Science journal „Innovations in Woodworking Industry and Engineering Design“, vol. III, № 3, Sofia, pp. 48÷54, ISSN 1314-6149.
27. Lieskovsky M., M. Ferencik, **Zh. Gochev**, K. Marinov (2014), Evolution of energy potential of wood pellets, Science journal „Innovations in Woodworking Industry and Engineering Design“, vol. III, № 3, Sofia, pp. 118÷126, ISSN 1314-6149.
28. Marinov K., **Zh. Gochev**, M. Ferencik, M. Lieskovsky (2014), Exploring the energy performance of wood chips from forest short rotation plantations, Science journal „Innovations in Woodworking Industry and Engineering Design“, vol. III, № 2, Sofia, pp. 50÷56, ISSN 1314-6149.
29. **Gochev Zh.** (2006), Tempering of band saw blades after electric ARC welding with smelt electrode, The 5th International Scientific Conference: proceedings of papers, „Chip and Chipless Woodworking Processes“, Technical University, 12-14.X., Zvolen, Slovakia, pp. 143-150, ISBN 80-228-1666-3.
30. **Gochev Zh.**, P. Vitchev, G. Vukov (2019), Determination of performance indicators and quality of TCT knives when sharpened with PCD grinding wheels, 4-th International scientific conference „Wood Technology & Product Design“: proceedings of papers, S.S Cyril and Methodius University, Skopje, Faculty of Design and Technologies of Furniture and Interior, Republic of North Macedonia, 4-7 September 2019, University congress centre, Ohrid, pp. 119-126, ISBN 978-608-4723-03-5.
31. **Cochev Zh.**, P. Vitchev, G. Vukov (2019), Determination of Performance Index and Effective Power for Sharpening of TC Planer Knives with PCD Abrasive Wheels, 30<sup>th</sup> International Conference on Wood Science and Technology – ICWST 2019, Impementation of Wood Science in Woodworking Sector and 70<sup>th</sup> anniversary of Drvna industrija Journal, proceeding of papers, 12-13 December, Zagreb, pp. 53-60, ISBN 978-953-292-062-8.
32. Vukov G., P. Vitchev, **Zh. Gochev** (2019), Spatial Vibrations of a Woodworking Shaper Caused by Rotor's Unbalance of Drive Electric Motor, 30<sup>th</sup> International Conference on Wood Science and Technology – ICWST 2019, Impementation of Wood Science in Woodworking Sector and 70<sup>th</sup> anniversary of Drvna industrija Journal, proceeding of papers, 12-13 December, Zagreb, pp. 225-234, ISBN 978-953-292-062-8.